



Michigan

Health Insurance Coverage Estimates from the 2009 American Community Survey (ACS)



Prepared for the State Health
Reform Assistance Network
States, an effort funded by the
Robert Wood Johnson
Foundation



Robert Wood Johnson Foundation

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This chartbook was prepared for the State Reform Assistance Network (State Network) states by the State Health Access Data Assistance Center (SHADAC).

About the State Network

The State Network, an initiative of the Robert Wood Johnson Foundation, will provide technical assistance to 10 states as they implement key health insurance coverage provisions of the Affordable Care Act (ACA).

State Network States

Alabama	New Mexico
Colorado	New York
Maryland	Oregon
Michigan	Rhode Island
Minnesota	Virginia

The State Network will provide essential resources to help states develop insurance exchanges, enact insurance market reforms, expand Medicaid, streamline eligibility and enrollment systems, and use appropriate data to drive decisions.



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Introduction

This chartbook of health insurance coverage estimates is designed to be an easily accessed resource for State Health Access Program (SHAP) grantees. Estimates for key population groups within your state are provided in summary map format, with detailed tables for reference. Data provided in this chartbook are from the 2009 American Community Survey (ACS).

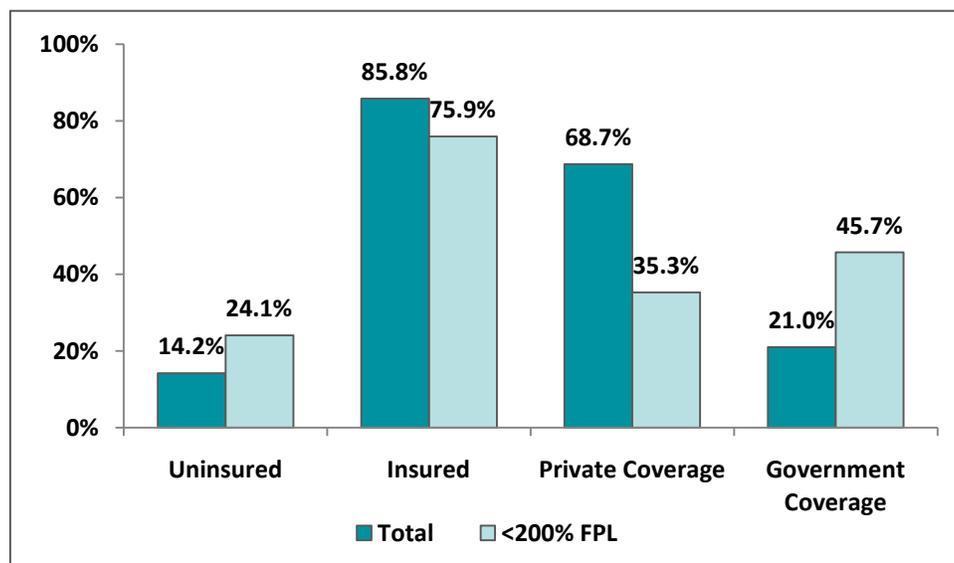
Your chartbook includes the following information for your state:

- Maps of uninsurance estimates for children and adults, as well as children and adults under 200% FPL
- Tables of health insurance coverage estimates for the above mentioned population groups, with variance information
- Sub-county-level estimates of uninsurance (where available)
- Demographic profiles of state populations

Summary Statistics

Any source of health insurance coverage for Michigan is shown in Exhibit 1. In 2009, 85.8% of the total population age 0-64 had health insurance coverage. Over two-thirds (68.7%) had private coverage, while 21.0% reported having government coverage. This is in contrast to individuals under 200% of the Federal Poverty Level (FPL), of which only 75.9% had insurance, with 35.3% having private coverage, and 45.7% having government coverage.

Exhibit 1: Any Source of Health Insurance Coverage by Poverty Level, Age 0-64, ACS 2009



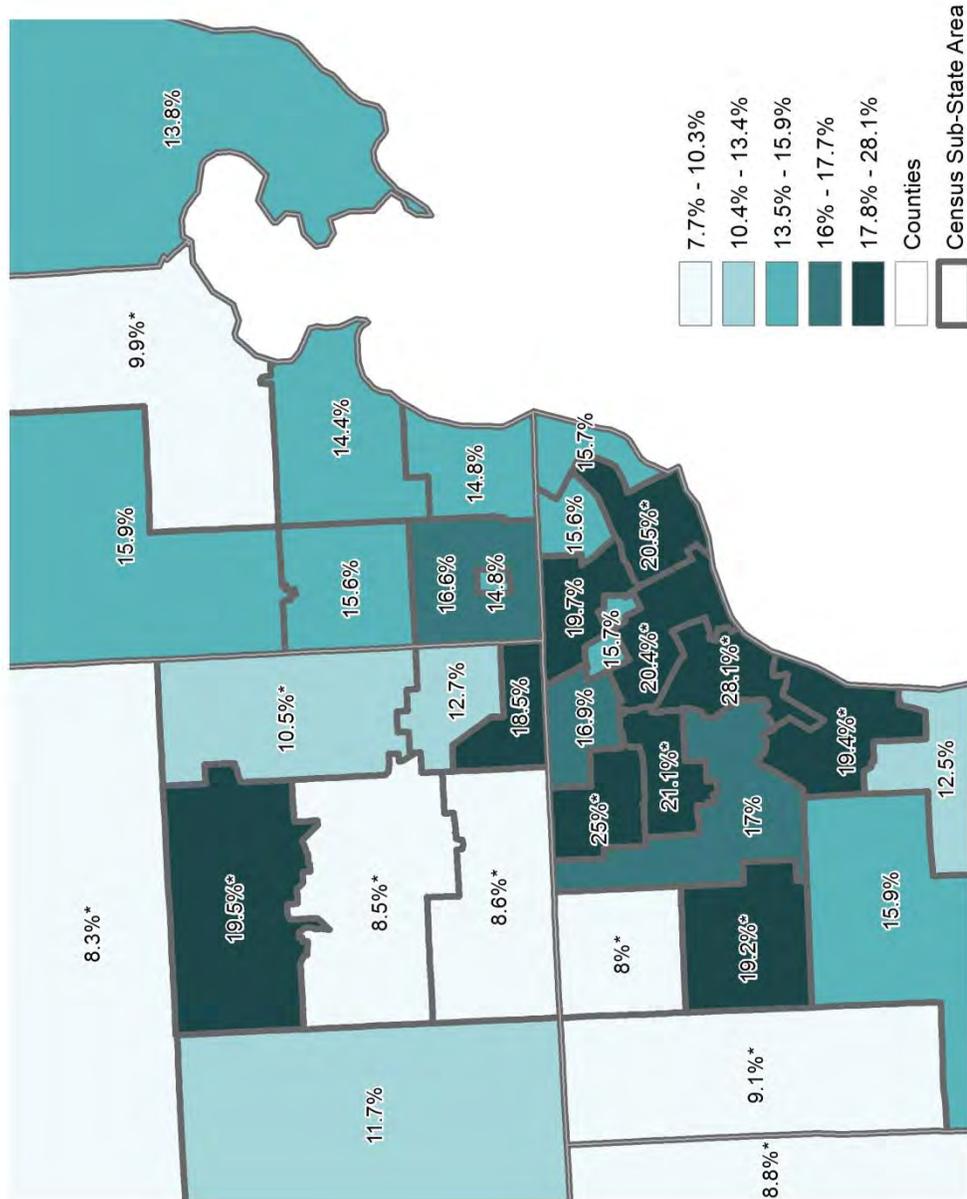
Source: U.S. Census Bureau, 2009 American Community Survey.

Note: Those who report multiple types of insurance coverage (i.e., private or public) are included in each category; therefore, totals may add to more than 100 percent.

Maps and Data Tables

Detailed uninsurance estimates begin with Exhibit 2.1. Each subpopulation is shown as a map, followed by a detailed table. The estimates in the tables provide percent and standard error (for calculation of confidence intervals). Additional subgroup estimates are available upon request.

Exhibit 2.1.1.A: Detroit Metro Area Sub-State Uninsurance Estimates, Age 0-64, ACS 2009



Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 0-64 (14.2%).

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 2.2: Demographic Profile by Source of Health Insurance Coverage, Age 0-64, ACS 2009

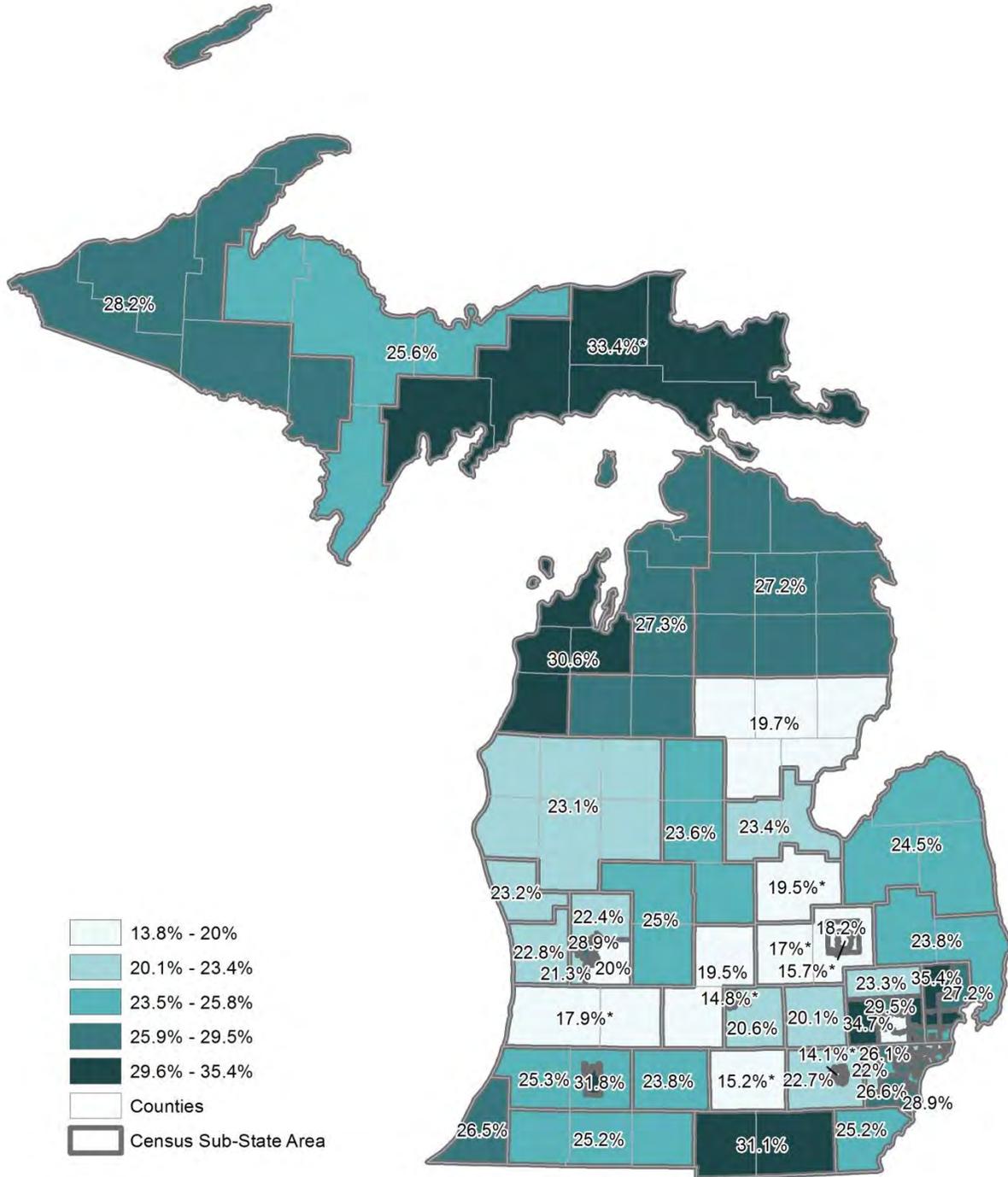
	Population	Uninsured		Insured		Private Coverage		Government Coverage	
	(000)	%	SE	%	SE	%	SE	%	SE
Race and Ethnicity									
Hispanic	400	24.5	1.37	75.5	1.37	46.8	1.74	33.0	1.57
White Alone	6,500	13.0	0.23	87.0	0.23	74.5	0.34	16.2	0.28
Black Alone	1,215	17.5	0.66	82.5	0.66	45.3	1.08	42.2	1.07
Asian Alone	225	11.1	1.25	88.9	1.25	79.8	2.21	11.2	1.75
Multiple/other non-Hispanic	209	15.6	1.23	84.4	1.23	54.0	1.93	35.2	1.83
Total	8,549	14.2	0.22	85.8	0.22	68.7	0.34	21.0	0.30
Age									
0-18	2,496	4.9	0.24	95.1	0.24	64.6	0.61	35.2	0.61
19-24	957	29.4	0.74	70.6	0.74	56.6	0.84	15.5	0.60
25-44	2,370	19.3	0.41	80.7	0.41	67.9	0.49	15.2	0.38
45-64	2,727	12.9	0.30	87.1	0.30	77.3	0.37	14.9	0.29
Total	8,549	14.2	0.22	85.8	0.22	68.7	0.34	21.0	0.30
Poverty Level									
0-99% FPL	2,029	24.9	0.55	75.1	0.55	25.5	0.67	54.5	0.73
100-199% FPL	937	22.5	0.84	77.5	0.84	56.4	1.10	26.7	0.92
200-399% FPL	2,618	13.1	0.38	86.9	0.38	79.7	0.48	11.2	0.34
400%+ FPL	2,856	5.2	0.23	94.8	0.23	93.1	0.28	4.1	0.19
Total	8,439	14.3	0.22	85.7	0.22	68.6	0.34	20.9	0.30
Sex									
Male	4,253	16.0	0.28	84.0	0.28	68.1	0.39	20.0	0.33
Female	4,296	12.4	0.24	87.6	0.24	69.3	0.40	21.9	0.36
Total	8,549	14.2	0.22	85.8	0.22	68.7	0.34	21.0	0.30
Work Status									
Not working	1,457	20.9	0.52	79.1	0.52	49.5	0.61	38.0	0.58
Part-time	1,322	23.6	0.54	76.4	0.54	63.9	0.61	14.9	0.44
Full-time	3,427	14.4	0.30	85.6	0.30	81.7	0.32	5.7	0.18
Total	6,206	17.9	0.26	82.1	0.26	70.3	0.31	15.2	0.23

Definitions: % = Percent; SE = Standard Error

Note: Counts are presented in thousands.

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 2.3: Sub-State Uninsurance Estimates, Age 0-64, <200% FPL, ACS 2009



Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 0-64 under 200% FPL (24.1%).

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 2.4: Demographic Profile by Source of Health Insurance Coverage, Age 0-64, <200% FPL, ACS 2009

	Population	Uninsured		Insured		Private Coverage		Government Coverage	
	(000)	%	SE	%	SE	%	SE	%	SE
Race and Ethnicity									
Hispanic	225	30.5	1.88	69.5	1.88	25.6	2.08	49.1	2.20
White Alone	1,865	25.1	0.56	74.9	0.56	40.3	0.75	40.1	0.71
Black Alone	707	20.5	0.96	79.5	0.96	24.3	1.25	59.5	1.37
Asian Alone	68	22.1	3.08	77.9	3.08	52.5	5.18	29.7	4.48
Multiple/other non-Hispanic	100	19.2	1.95	80.8	1.95	30.1	2.64	57.2	2.75
Total	2,965	24.1	0.46	75.9	0.46	35.3	0.62	45.7	0.62
Age									
0-18	1,069	6.6	0.45	93.4	0.45	33.7	0.98	66.8	0.98
19-24	443	37.4	1.23	62.6	1.23	37.7	1.39	26.4	1.14
25-44	790	34.5	0.87	65.5	0.87	34.8	0.85	34.5	0.87
45-64	664	31.2	0.82	68.8	0.82	36.8	0.82	38.1	0.83
Total	2,965	24.1	0.46	75.9	0.46	35.3	0.62	45.7	0.62
Poverty Level									
0-99% FPL	2,029	24.9	0.55	75.1	0.55	25.5	0.67	54.5	0.73
100-199% FPL	937	22.5	0.84	77.5	0.84	56.4	1.10	26.7	0.92
200-399% FPL	--	--	--	--	--	--	--	--	--
400%+ FPL	--	--	--	--	--	--	--	--	--
Total	2,965	24.1	0.46	75.9	0.46	35.3	0.62	45.7	0.62
Sex									
Male	1,400	27.3	0.62	72.7	0.62	33.9	0.73	43.8	0.73
Female	1,566	21.2	0.52	78.8	0.52	36.5	0.72	47.5	0.73
Total	2,965	24.1	0.46	75.9	0.46	35.3	0.62	45.7	0.62
Work Status									
Not working	770	29.3	0.82	70.7	0.82	24.2	0.71	52.4	0.88
Part-time	523	38.1	1.02	61.9	1.02	36.7	1.04	28.4	0.94
Full-time	654	35.3	0.90	64.7	0.90	49.8	0.94	17.5	0.70
Total	1,947	33.7	0.57	66.3	0.57	36.2	0.59	34.2	0.57

Definitions: % = Percent; SE = Standard Error

Note: Counts are presented in thousands.

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 2.5: Sub-State Uninsurance Estimates, Age 0-64 by Federal Poverty Level (FPL), ACS 2009

County	Sub-state area	All Poverty Levels		<200% FPL	
		%	SE	%	SE
Dickinson, Gogebic, Houghton, Iron, Keweenaw, Ontonagon	00100	18.1	2.28	28.2	4.47
Alger, Baraga, Marquette, Menominee	00200	13.3	1.91	25.6	4.24
Chippewa, Delta, Luce, Mackinac, Schoolcraft	00300	16.9	1.78	33.4 *	3.54
Antrim, Charlevoix, Emmet, Kalkaska, Missaukee, Wexford	00400	17.7 *	1.52	27.3	2.63
Alcona, Alpena, Cheboygan, Crawford, Montmorency, Oscoda, Otsego, Presque Isle	00500	17.0	1.76	27.2	3.49
Arenac, Gladwin, Iosco, Ogemaw, Roscommon	00600	14.7	1.46	19.7	2.32
Huron, Sanilac, Tuscola	00700	16.2	1.42	24.5	2.58
Bay, Midland	00800	12.8	1.32	23.4	3.19
Saginaw	00900	12.4	1.16	19.5 *	2.20
Clare, Gratiot, Isabella	01000	16.5	1.54	23.6	2.64
Lake, Mason, Mecosta, Newaygo, Oceana, Osceola	01100	16.1	1.18	23.1	2.10
Muskegon	01200	15.1	1.43	23.2	2.83
Kent (part)	01300	20.6 *	2.01	28.9	3.28
Kent (part)	01401	9.3 *	1.33	20.0	3.88
Kent (part)	01402	12.5	1.97	22.4	5.07
Kent (part)	01403	10.8 *	1.54	21.3	3.64
Ottawa	01500	10.0 *	1.14	22.8	3.18
Benzie, Grand Traverse, Leelanau, Manistee	01600	15.1	1.61	30.6	3.65
Allegan, Barry	01700	9.4 *	1.07	17.9 *	2.70
Eaton (part), Ingham (part)	01800	13.3	1.63	14.8 *	2.41
Ingham (part)	01900	10.3 *	1.50	20.6	3.75
Clinton, Eaton (part)	02000	9.1 *	1.18	19.5	3.70
Ionia, Montcalm	02100	17.0	1.86	25.0	3.62
Genesee (part)	02200	14.3	2.05	15.7 *	2.59
Genesee (part)	02301	12.9	2.69	18.2	4.48
Genesee (part), Shiawassee	02302	10.5 *	1.01	17.0 *	2.61
Berrien	02400	16.6	1.64	26.5	3.12
Oakland (part)	02501	8.3 *	1.09	23.3	3.99
Oakland (part)	02502	11.7	1.51	34.7	5.38
Oakland (part)	02503	19.5 *	2.14	29.5	3.86
Oakland (part)	02504	10.5 *	1.78	33.4	7.55
Oakland (part)	02505	8.5 *	1.81	15.8	4.77
Oakland (part)	02506	8.6 *	1.28	13.8 *	3.72
Oakland (part)	02507	18.5	2.34	34.3	5.88
Oakland (part)	02508	12.7	2.00	27.4	5.57
Kalamazoo (part)	02601	18.2	2.19	31.8	4.18
Kalamazoo (part), Van Buren	02602	14.9	1.44	25.3	3.28

County	Sub-state area	All Poverty Levels		<200% FPL	
		%	SE	%	SE
Branch, Cass, St. Joseph	02700	16.0	1.71	25.2	3.40
Calhoun	02800	15.4	1.88	23.8	3.44
Jackson	02900	11.8	1.36	15.2 *	2.61
Hillsdale, Lenawee	03000	16.6	1.76	31.1	3.77
Monroe	03100	13.4	1.65	25.2	3.98
Washtenaw (part)	03200	7.7 *	1.34	14.1 *	3.24
Washtenaw (part)	03300	8.8 *	1.16	22.7	3.60
Livingston	03400	9.6 *	1.23	20.1	4.29
Lapeer, St. Clair	03500	13.8	1.21	23.8	2.56
Wayne (part)	03600	8.0 *	1.54	26.1	6.44
Wayne (part)	03701	20.4 *	2.21	22.0	2.84
Wayne (part)	03702	20.5 *	2.75	25.4	3.72
Wayne (part)	03703	15.6	2.56	15.0 *	3.11
Wayne (part)	03704	16.9	2.17	20.1	3.28
Wayne (part)	03705	21.1 *	2.73	25.8	4.11
Wayne (part)	03706	28.1 *	3.41	26.2	3.74
Wayne (part)	03707	19.7	2.88	21.7	3.53
Wayne (part)	03708	25.0 *	2.76	30.5	4.54
Wayne (part)	03801	15.7	2.84	31.0	5.97
Wayne (part)	03802	17.0	1.91	26.4	3.21
Wayne (part)	03803	9.1 *	1.25	22.0	4.86
Wayne (part)	03804	15.9	1.92	26.6	3.79
Wayne (part)	03805	12.5	1.56	28.9	5.25
Wayne (part)	03806	19.2 *	2.15	25.8	3.84
Wayne (part)	03807	19.4 *	2.34	25.2	3.61
Macomb (part)	03900	15.6	2.38	34.4	5.69
Macomb (part)	04000	16.6	1.93	24.9	4.33
Macomb (part)	04101	14.8	1.78	23.8	3.66
Macomb (part)	04102	14.4	1.69	31.7	3.97
Macomb (part)	04103	15.9	2.59	35.4	6.39
Macomb (part)	04104	9.9 *	1.58	27.2	4.44

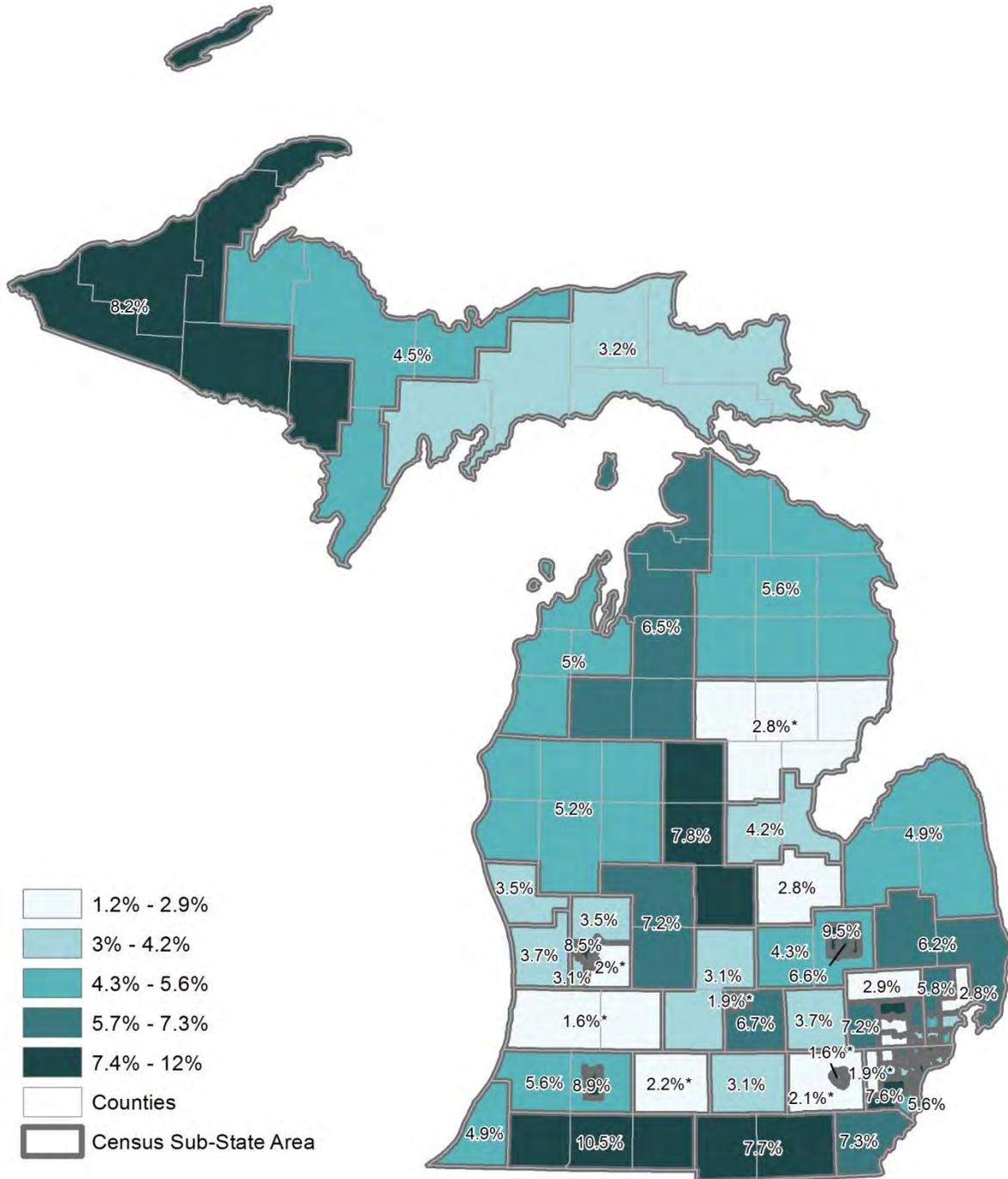
Definitions: % = Percent; SE = Standard Error

Sub-state areas (also called PUMAs, or Public Use Microdata Areas) are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available. See Appendix C for maps of metro areas that have more than one sub-state area.

* Statistically different from the state uninsured estimate for population group (Age 0-64, 14.2%; Age 0-64 <200% FPL, 24.1%).

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 3.1: Sub-State Uninsurance Estimates, Age 0-18, ACS 2009



Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 0-18 (4.9%).

^ Data are suppressed for sub-state areas with fewer than 50 observations.

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 3.2: Demographic Profile by Source of Health Insurance Coverage, Age 0-18, ACS 2009

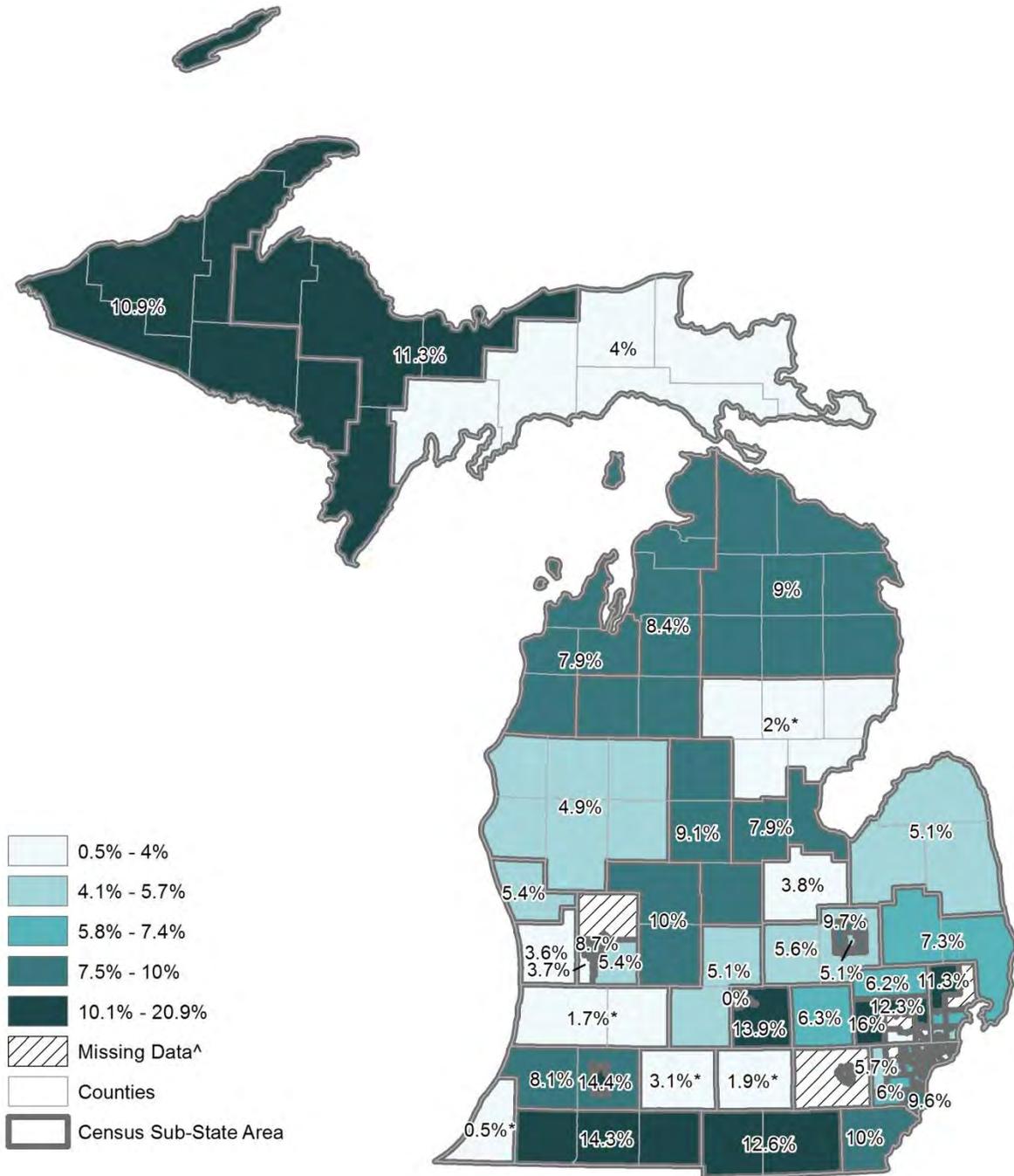
	Population	Uninsured		Insured		Private Coverage		Government Coverage	
	(000)	%	SE	%	SE	%	SE	%	SE
Race and Ethnicity									
Hispanic	167	9.1	1.42	90.9	1.42	42.5	2.41	55.4	2.46
White Alone	1,758	4.7	0.27	95.3	0.27	73.1	0.63	26.6	0.63
Black Alone	409	4.2	0.57	95.8	0.57	37.5	1.70	62.7	1.72
Asian Alone	66	3.8	1.25	96.2	1.25	78.0	3.96	21.2	3.79
Multiple/other non-Hispanic	96	4.8	1.23	95.2	1.23	52.6	2.80	48.9	2.76
Total	2,496	4.9	0.24	95.1	0.24	64.6	0.61	35.2	0.61
Age									
0-18	2,496	4.9	0.24	95.1	0.24	64.6	0.61	35.2	0.61
19-24	--	--	--	--	--	--	--	--	--
25-44	--	--	--	--	--	--	--	--	--
45-64	--	--	--	--	--	--	--	--	--
Total	2,496	4.9	0.24	95.1	0.24	64.6	0.61	35.2	0.61
Poverty Level									
0-99% FPL	745	6.4	0.54	93.6	0.54	22.6	1.00	78.2	0.99
100-199% FPL	323	7.1	0.80	92.9	0.80	59.3	1.76	40.5	1.74
200-399% FPL	758	5.2	0.42	94.8	0.42	83.3	0.74	15.4	0.72
400%+ FPL	607	1.7	0.29	98.3	0.29	96.2	0.41	3.6	0.36
Total	2,434	4.9	0.25	95.1	0.25	64.8	0.62	35.0	0.62
Sex									
Male	1,274	5.0	0.29	95.0	0.29	65.2	0.72	34.5	0.72
Female	1,221	4.9	0.30	95.1	0.30	63.9	0.75	35.9	0.75
Total	2,496	4.9	0.24	95.1	0.24	64.6	0.61	35.2	0.61
Work Status									
Not working	60	16.7	2.20	83.3	2.20	54.2	2.80	32.2	2.58
Part-time	78	11.1	1.33	88.9	1.33	79.1	1.73	12.8	1.42
Full-time	15	23.4	5.65	76.6	5.65	68.9	5.66	10.1	2.72
Total	153	14.5	1.26	85.5	1.26	68.3	1.60	20.2	1.33

Definitions: % = Percent; SE = Standard Error

Note: Counts are presented in thousands.

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 3.3: Sub-State Uninsurance Estimates, Age 0-18, <200% FPL, ACS 2009



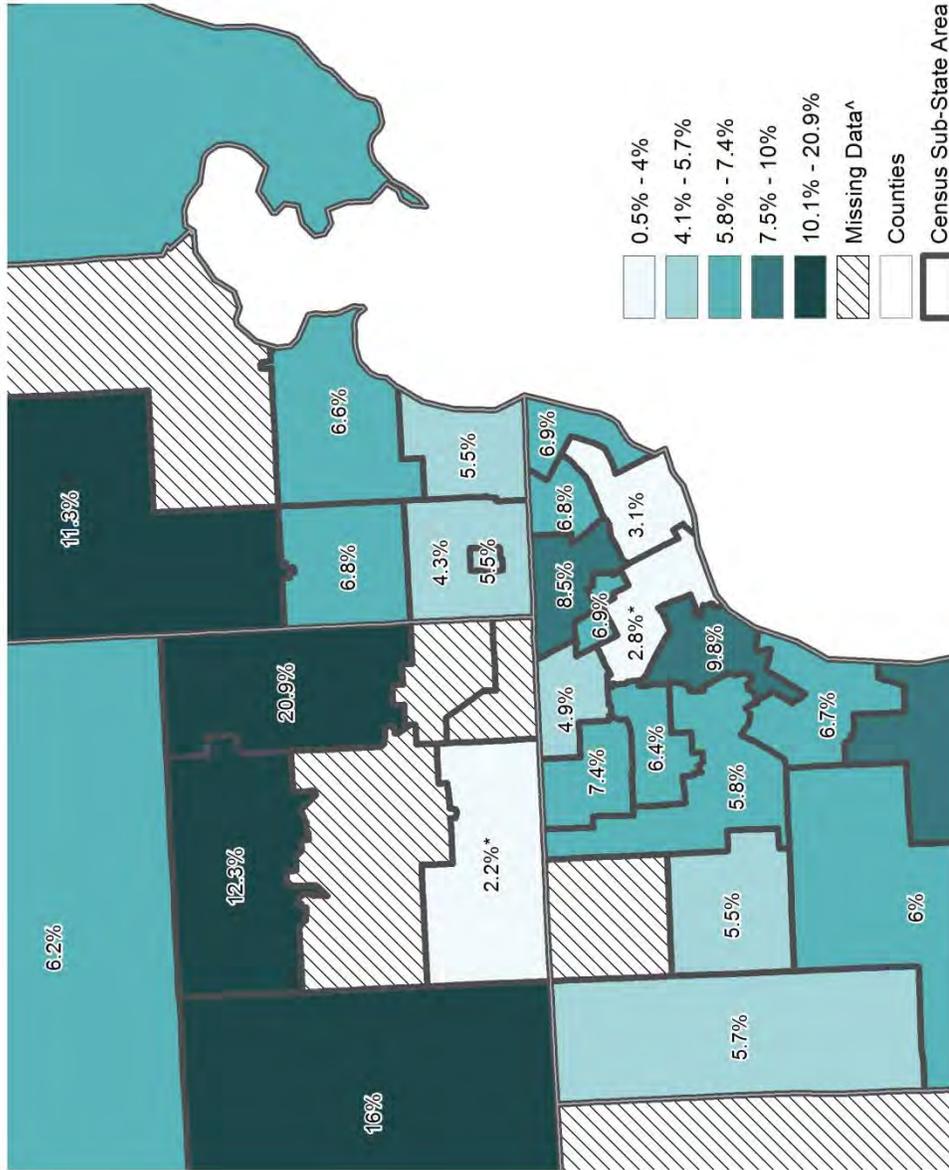
Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 0-18 under 200% FPL (6.6%).

^ Data are suppressed for sub-state areas with fewer than 50 observations.

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 3.3.A: Detroit Metro Area Sub-State Uninsurance Estimates, Age 0-18, <200% FPL, ACS 2009



Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 0-18 under 200% FPL (6.6%).

^ Data are suppressed for sub-state areas with fewer than 50 observations.

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 3.4: Demographic Profile by Source of Health Insurance Coverage, Age 0-18, <200% FPL, ACS 2009

	Population	Uninsured		Insured		Private Coverage		Government Coverage	
	(000)	%	SE	%	SE	%	SE	%	SE
Race and Ethnicity									
Hispanic	107	9.6	1.81	90.4	1.81	26.1	2.72	72.3	2.82
White Alone	602	7.2	0.61	92.8	0.61	40.6	1.27	60.2	1.28
Black Alone	287	4.1	0.71	95.9	0.71	22.0	1.84	78.5	1.80
Asian Alone	22	9.4	3.55	90.6	3.55	42.9	7.74	54.1	7.48
Multiple/other non-Hispanic	52	5.4	1.65	94.6	1.65	31.1	3.77	72.0	3.60
Total	1,069	6.6	0.45	93.4	0.45	33.7	0.98	66.8	0.98
Age									
0-18	1,069	6.6	0.45	93.4	0.45	33.7	0.98	66.8	0.98
19-24	--	--	--	--	--	--	--	--	--
25-44	--	--	--	--	--	--	--	--	--
45-64	--	--	--	--	--	--	--	--	--
Total	1,069	6.6	0.45	93.4	0.45	33.7	0.98	66.8	0.98
Poverty Level									
0-99% FPL	745	6.4	0.54	93.6	0.54	22.6	1.00	78.2	0.99
100-199% FPL	323	7.1	0.80	92.9	0.80	59.3	1.76	40.5	1.74
200-399% FPL	--	--	--	--	--	--	--	--	--
400%+ FPL	--	--	--	--	--	--	--	--	--
Total	1,069	6.6	0.45	93.4	0.45	33.7	0.98	66.8	0.98
Sex									
Male	535	6.9	0.55	93.1	0.55	33.5	1.12	66.7	1.11
Female	534	6.2	0.54	93.8	0.54	33.9	1.21	66.8	1.21
Total	1,069	6.6	0.45	93.4	0.45	33.7	0.98	66.8	0.98
Work Status									
Not working	31	21.8	3.55	78.2	3.55	28.1	3.70	54.7	4.08
Part-time	17	19.8	4.05	80.2	4.05	46.2	5.32	43.7	5.10
Full-time^	4	--	--	--	--	--	--	--	--
Total	51	22.1	2.64	77.9	2.64	35.8	3.10	48.0	3.10

Definitions: % = Percent; SE = Standard Error

Note: Counts are presented in thousands.

^Sample size for this subpopulation is not sufficient to provide an estimate.

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 3.5: Sub-State Uninsurance Estimates, Age 0-18 by Federal Poverty Level (FPL), ACS 2009

County	Sub-state area	All Poverty Levels		<200% FPL	
		%	SE	%	SE
Dickinson, Gogebic, Houghton, Iron, Keweenaw, Ontonagon	00100	8.2	3.08	10.9	5.65
Alger, Baraga, Marquette, Menominee	00200	4.5	2.34	11.3	6.09
Chippewa, Delta, Luce, Mackinac, Schoolcraft	00300	3.2	1.07	4.0	1.72
Antrim, Charlevoix, Emmet, Kalkaska, Missaukee, Wexford	00400	6.5	1.51	8.4	2.80
Alcona, Alpena, Cheboygan, Crawford, Montmorency, Oscoda, Otsego, Presque Isle	00500	5.6	2.00	9.0	3.73
Arenac, Gladwin, Iosco, Ogemaw, Roscommon	00600	2.8 *	0.93	2.0*	1.16
Huron, Sanilac, Tuscola	00700	4.9	1.34	5.1	2.08
Bay, Midland	00800	4.2	1.49	7.9	3.54
Saginaw	00900	2.8	1.06	3.8	1.90
Clare, Gratiot, Isabella	01000	7.8	2.43	9.1	2.83
Lake, Mason, Mecosta, Newaygo, Oceana, Osceola	01100	5.2	1.34	4.9	1.54
Muskegon	01200	3.5	1.20	5.4	2.25
Kent (part)	01300	8.5	2.47	8.7	3.42
Kent (part)	01401	2.0 *	1.10	5.4	3.45
Kent (part)	01402	3.5	1.57	--	--
Kent (part)	01403	3.1	1.35	3.7	2.51
Ottawa	01500	3.7	1.10	3.6	1.78
Benzie, Grand Traverse, Leelanau, Manistee	01600	5.0	1.52	7.9	3.24
Allegan, Barry	01700	1.6 *	0.67	1.7*	1.15
Eaton (part), Ingham (part)	01800	1.9 *	0.94	--	--
Ingham (part)	01900	6.7	2.79	13.9	8.77
Clinton, Eaton (part)	02000	3.1	0.97	5.1	2.90
Ionia, Montcalm	02100	7.2	3.20	10.0	5.47
Genesee (part)	02200	6.6	2.31	5.1	2.28
Genesee (part)	02301	9.5	3.90	9.7	4.48
Genesee (part), Shiawassee	02302	4.3	1.15	5.6	2.13
Berrien	02400	4.9	1.75	0.5*	0.50
Oakland (part)	02501	2.9	1.26	6.2	4.08
Oakland (part)	02502	7.2	1.93	16.0	5.40
Oakland (part)	02503	8.3	3.01	12.3	5.21
Oakland (part)	02504	5.7	2.37	20.9	11.60
Oakland (part)	02505	2.5 *	1.06	--	--
Oakland (part)	02506	1.2 *	0.66	2.2*	1.66
Oakland (part)	02507	4.3	2.09	--	--
Oakland (part)	02508	3.2	1.64	--	--
Kalamazoo (part)	02601	8.9	3.19	14.4	6.17
Kalamazoo (part), Van Buren	02602	5.6	1.84	8.1	3.98

County	Sub-state area	All Poverty Levels		<200% FPL	
		%	SE	%	SE
Branch, Cass, St. Joseph	02700	10.5	2.98	14.3	5.11
Calhoun	02800	2.2 *	0.77	3.1*	1.23
Jackson	02900	3.1	1.22	1.9*	1.47
Hillsdale, Lenawee	03000	7.7	2.95	12.6	5.64
Monroe	03100	7.3	1.98	10.0	3.94
Washtenaw (part)	03200	1.6 *	0.82	--	--
Washtenaw (part)	03300	2.1 *	0.81	--	--
Livingston	03400	3.7	1.31	6.3	3.73
Lapeer, St. Clair	03500	6.2	1.82	7.3	2.75
Wayne (part)	03600	1.9 *	0.90	--	--
Wayne (part)	03701	2.9	1.57	2.8*	1.77
Wayne (part)	03702	4.0	1.84	3.1	2.02
Wayne (part)	03703	6.4	2.67	6.8	3.14
Wayne (part)	03704	4.5	2.41	4.9	3.31
Wayne (part)	03705	5.1	2.66	6.4	3.38
Wayne (part)	03706	12.0	3.65	9.8	3.30
Wayne (part)	03707	7.9	2.81	8.5	3.01
Wayne (part)	03708	7.3	3.08	7.4	3.86
Wayne (part)	03801	4.4	2.92	6.9	5.94
Wayne (part)	03802	3.7	1.67	5.8	3.17
Wayne (part)	03803	1.9 *	0.75	5.7	3.03
Wayne (part)	03804	7.6	2.53	6.0	3.11
Wayne (part)	03805	5.6	1.98	9.6	5.27
Wayne (part)	03806	6.0	2.15	5.5	2.95
Wayne (part)	03807	6.5	2.20	6.7	3.06
Macomb (part)	03900	4.8	2.10	6.8	4.95
Macomb (part)	04000	3.6	1.31	4.3	2.33
Macomb (part)	04101	4.3	1.58	5.5	3.01
Macomb (part)	04102	3.4	1.37	6.6	3.08
Macomb (part)	04103	5.8	2.39	11.3	6.88
Macomb (part)	04104	2.8	1.72	--	--

Definitions: % = Percent; SE = Standard Error

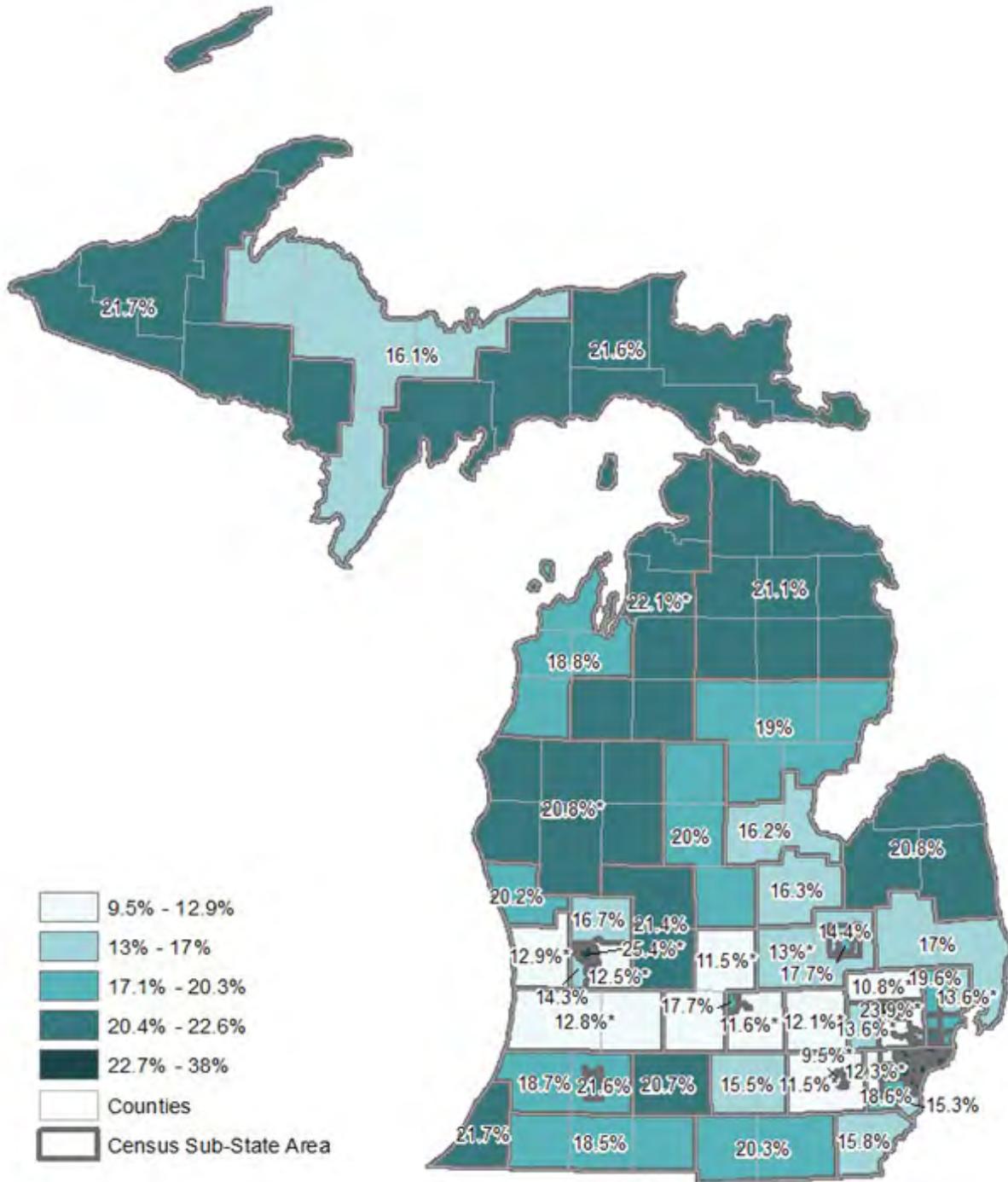
Sub-state areas (also called PUMAs, or Public Use Microdata Areas) are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available. See Appendix C for maps of metro areas that have more than one sub-state area.

* Statistically different from the state uninsurance estimate for population group (Age 0-18, 4.9%; Age 0-18 <200% FPL, 6.6%).

-- Data are suppressed for sub-state areas with fewer than 50 observations.

Source: U.S. Census Bureau, 2009 American Community Survey..

Exhibit 4.1: Sub-State Uninsurance Estimates, Age 19-64, ACS 2009

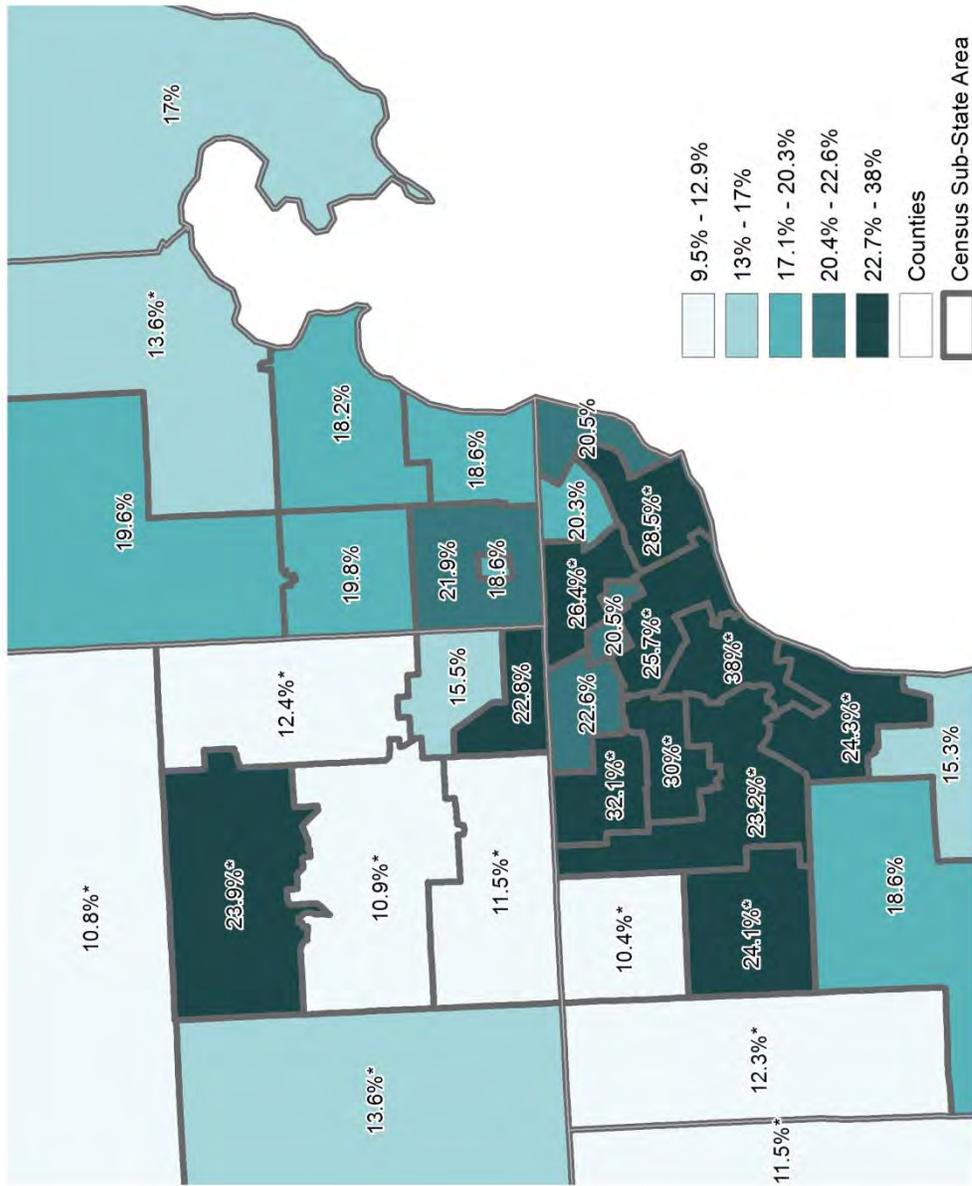


Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 19-64 (18.0%).

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 4.1.A: Detroit Metro Area Sub-State Uninsurance Estimates, Age 19-64, ACS 2009



Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 19-64 (18.0%).

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 4.2: Demographic Profile by Source of Health Insurance Coverage, Age 19-64, ACS 2009

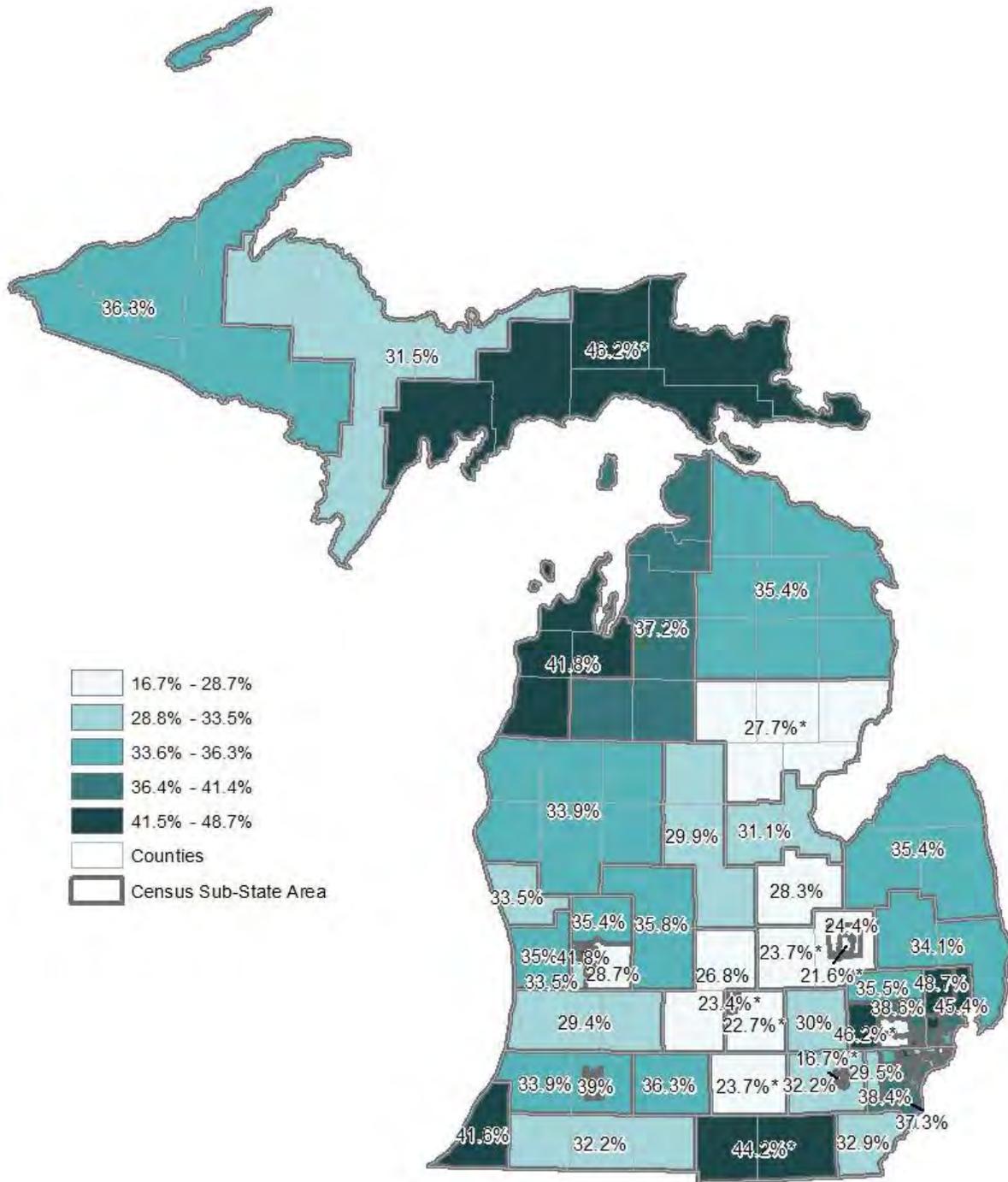
	Population	Uninsured		Insured		Private Coverage		Government Coverage	
	(000)	%	SE	%	SE	%	SE	%	SE
Race and Ethnicity									
Hispanic	233	35.5	1.83	64.5	1.83	49.9	1.82	17.1	1.25
White Alone	4,743	16.1	0.27	83.9	0.27	75.0	0.32	12.3	0.22
Black Alone	806	24.3	0.84	75.7	0.84	49.3	1.01	31.8	0.93
Asian Alone	158	14.2	1.54	85.8	1.54	80.5	1.83	7.0	1.12
Multiple/other non-Hispanic	113	24.8	1.79	75.2	1.79	55.1	2.12	23.5	1.81
Total	6,053	18.0	0.26	82.0	0.26	70.4	0.31	15.1	0.23
Age									
0-18	--	--	--	--	--	--	--	--	--
19-24	957	29.4	0.74	70.6	0.74	56.6	0.84	15.5	0.60
25-44	2,370	19.3	0.41	80.7	0.41	67.9	0.49	15.2	0.38
45-64	2,727	12.9	0.30	87.1	0.30	77.3	0.37	14.9	0.29
Total	6,053	18.0	0.26	82.0	0.26	70.4	0.31	15.1	0.23
Poverty Level									
0-99% FPL	1,283	35.6	0.70	64.4	0.70	27.2	0.69	40.7	0.73
100-199% FPL	613	30.6	0.98	69.4	0.98	54.9	1.04	19.5	0.77
200-399% FPL	1,860	16.4	0.44	83.6	0.44	78.2	0.49	9.5	0.31
400%+ FPL	2,249	6.2	0.25	93.8	0.25	92.3	0.29	4.2	0.19
Total	6,006	18.1	0.26	81.9	0.26	70.2	0.31	15.2	0.23
Sex									
Male	2,979	20.8	0.35	79.2	0.35	69.3	0.39	13.8	0.28
Female	3,075	15.3	0.29	84.7	0.29	71.4	0.37	16.4	0.30
Total	6,053	18.0	0.26	82.0	0.26	70.4	0.31	15.1	0.23
Work Status									
Not working	1,397	21.1	0.53	78.9	0.53	49.3	0.62	38.3	0.59
Part-time	1,244	24.4	0.56	75.6	0.56	62.9	0.63	15.1	0.46
Full-time	3,412	14.4	0.29	85.6	0.29	81.7	0.32	5.7	0.18
Total	6,053	18.0	0.26	82.0	0.26	70.4	0.31	15.1	0.23

Definitions: % = Percent; SE = Standard Error

Note: Counts are presented in thousands.

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 4.3: Sub-State Uninsurance Estimates, Age 19-64, <200% FPL, ACS 2009

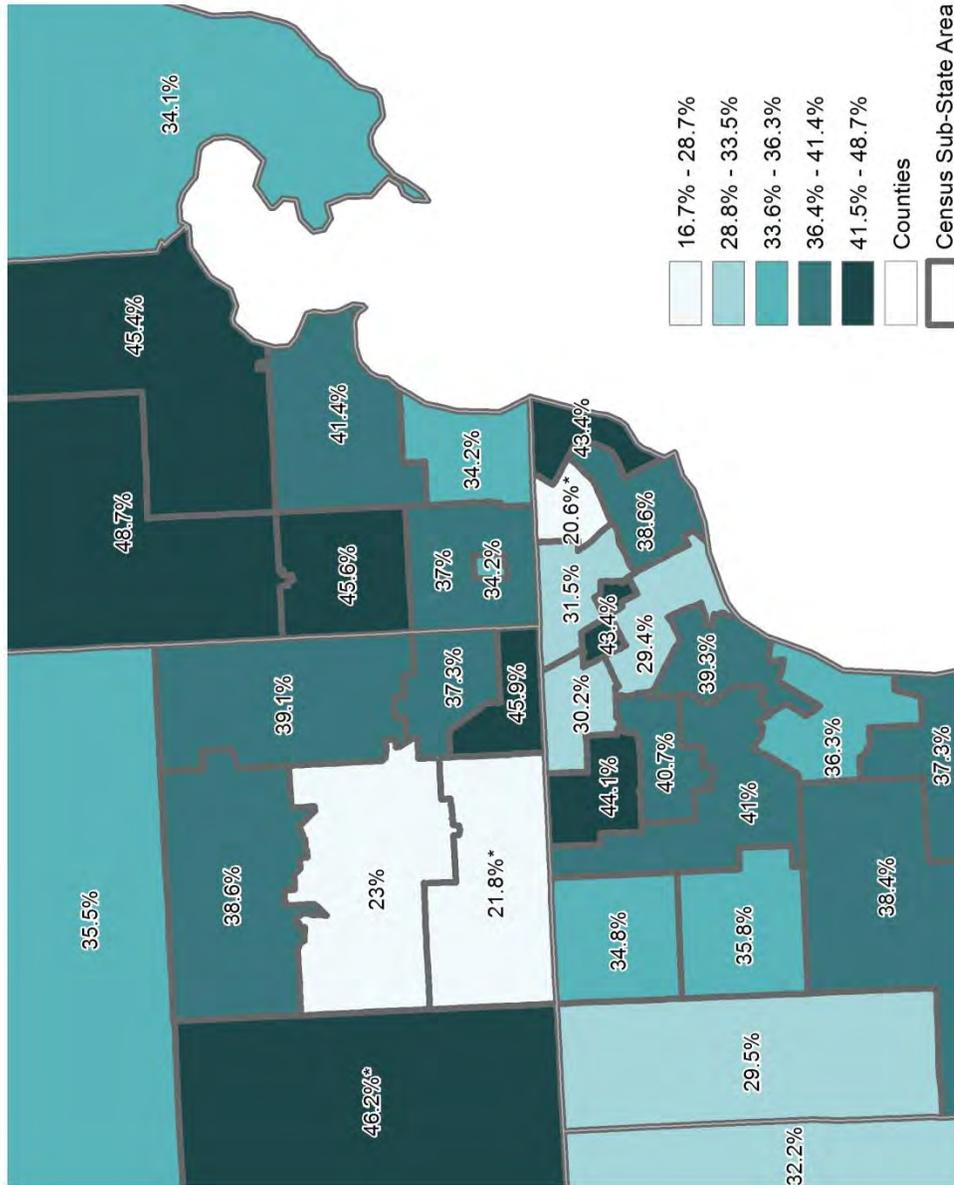


Source: U.S. Census Bureau, 2009 American Community Survey.

* Statistically different from the state uninsured estimate for people age 19-64 under 200% FPL (34.0%).

Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 4.3.A: Detroit Metro Area Sub-State Uninsurance Estimates, Age 19-64, <200% FPL, ACS 2009



Source: U.S. Census Bureau, 2009 American Community Survey.
 * Statistically different from the state uninsured estimate for people age 19-64 under 200% FPL (34.0%).
 Note: Sub-state areas are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available.

Exhibit 4.4: Demographic Profile by Source of Health Insurance Coverage, Age 19-64, <200% FPL, ACS 2009

	Population	Uninsured		Insured		Private Coverage		Government Coverage	
	(000)	%	SE	%	SE	%	SE	%	SE
Race and Ethnicity									
Hispanic	118	49.4	2.61	50.6	2.61	25.2	2.30	28.1	2.16
White Alone	1,264	33.6	0.66	66.4	0.66	40.1	0.71	30.5	0.64
Black Alone	420	31.6	1.27	68.4	1.27	25.8	1.18	46.5	1.38
Asian Alone	46	28.0	3.69	72.0	3.69	57.0	4.46	18.4	3.13
Multiple/other non-Hispanic	49	33.9	3.09	66.1	3.09	29.0	2.84	41.5	3.31
Total	1,897	34.0	0.57	66.0	0.57	36.2	0.59	33.9	0.57
Age									
0-18	--	--	--	--	--	--	--	--	--
19-24	443	37.4	1.23	62.6	1.23	37.7	1.39	26.4	1.14
25-44	790	34.5	0.87	65.5	0.87	34.8	0.85	34.5	0.87
45-64	664	31.2	0.82	68.8	0.82	36.8	0.82	38.1	0.83
Total	1,897	34.0	0.57	66.0	0.57	36.2	0.59	33.9	0.57
Poverty Level									
0-99% FPL	1,283	35.6	0.70	64.4	0.70	27.2	0.69	40.7	0.73
100-199% FPL	613	30.6	0.98	69.4	0.98	54.9	1.04	19.5	0.77
200-399% FPL	--	--	--	--	--	--	--	--	--
400%+ FPL	--	--	--	--	--	--	--	--	--
Total	1,897	34.0	0.57	66.0	0.57	36.2	0.59	33.9	0.57
Sex									
Male	864	40.0	0.82	60.0	0.82	34.1	0.79	29.6	0.74
Female	1,032	29.0	0.65	71.0	0.65	37.9	0.70	37.5	0.70
Total	1,897	34.0	0.57	66.0	0.57	36.2	0.59	33.9	0.57
Work Status									
Not working	740	29.6	0.83	70.4	0.83	24.0	0.72	52.3	0.89
Part-time	506	38.7	1.04	61.3	1.04	36.4	1.05	27.9	0.95
Full-time	651	35.3	0.90	64.7	0.90	49.8	0.94	17.5	0.71
Total	1,897	34.0	0.57	66.0	0.57	36.2	0.59	33.9	0.57

Definitions: % = Percent; SE = Standard Error

Note: Counts are presented in thousands.

Source: U.S. Census Bureau, 2009 American Community Survey.

Exhibit 4.5: Sub-State Uninsurance Estimates, Age 19-64 by Federal Poverty Level (FPL), ACS 2009

County	Sub-state area	All Poverty Levels		<200% FPL	
		%	SE	%	SE
Dickinson, Gogebic, Houghton, Iron, Keweenaw, Ontonagon	00100	21.7	2.47	36.3	4.98
Alger, Baraga, Marquette, Menominee	00200	16.1	2.20	31.5	4.88
Chippewa, Delta, Luce, Mackinac, Schoolcraft	00300	21.6	2.19	46.2 *	4.05
Antrim, Charlevoix, Emmet, Kalkaska, Missaukee, Wexford	00400	22.1 *	1.86	37.2	3.05
Alcona, Alpena, Cheboygan, Crawford, Montmorency, Oscoda, Otsego, Presque Isle	00500	21.1	1.93	35.4	3.78
Arenac, Gladwin, Iosco, Ogemaw, Roscommon	00600	19.0	1.84	27.7 *	3.02
Huron, Sanilac, Tuscola	00700	20.8	1.71	35.4	3.27
Bay, Midland	00800	16.2	1.55	31.1	3.43
Saginaw	00900	16.3	1.50	28.3	2.86
Clare, Gratiot, Isabella	01000	20.0	1.77	29.9	3.45
Lake, Mason, Mecosta, Newaygo, Oceana, Osceola	01100	20.8 *	1.38	33.9	2.73
Muskegon	01200	20.2	1.79	33.5	3.56
Kent (part)	01300	25.4 *	2.44	41.8	4.14
Kent (part)	01401	12.5 *	1.74	28.7	5.26
Kent (part)	01402	16.7	2.51	35.4	6.63
Kent (part)	01403	14.3	1.99	33.5	4.96
Ottawa	01500	12.9 *	1.49	35.0	4.61
Benzie, Grand Traverse, Leelanau, Manistee	01600	18.8	1.98	41.8	4.54
Allegan, Barry	01700	12.8 *	1.44	29.4	4.22
Eaton (part), Ingham (part)	01800	17.7	2.17	23.4 *	3.75
Ingham (part)	01900	11.6 *	1.61	22.7 *	4.08
Clinton, Eaton (part)	02000	11.5 *	1.47	26.8	4.38
Ionia, Montcalm	02100	21.4	1.91	35.8	3.64
Genesee (part)	02200	17.7	2.20	21.6 *	3.10
Genesee (part)	02301	14.4	2.51	24.4	5.00
Genesee (part), Shiawassee	02302	13.0 *	1.19	23.7 *	3.49
Berrien	02400	21.7	2.02	41.6	4.16
Oakland (part)	02501	10.8 *	1.37	35.5	5.47
Oakland (part)	02502	13.6 *	1.61	46.2 *	5.88
Oakland (part)	02503	23.9 *	2.52	38.6	4.65
Oakland (part)	02504	12.4 *	2.00	39.1	8.24
Oakland (part)	02505	10.9 *	2.25	23.0	5.66
Oakland (part)	02506	11.5 *	1.66	21.8 *	5.39
Oakland (part)	02507	22.8	2.85	45.9	7.03
Oakland (part)	02508	15.5	2.37	37.3	7.17
Kalamazoo (part)	02601	21.6	2.39	39.0	4.28
Kalamazoo (part), Van Buren	02602	18.7	1.71	33.9	4.07

County	Sub-state area	All Poverty Levels		<200% FPL	
		%	SE	%	SE
Branch, Cass, St. Joseph	02700	18.5	1.66	32.2	3.34
Calhoun	02800	20.7	2.43	36.3	4.59
Jackson	02900	15.5	1.65	23.7 *	3.45
Hillsdale, Lenawee	03000	20.3	1.96	44.2 *	4.35
Monroe	03100	15.8	1.86	32.9	4.44
Washtenaw (part)	03200	9.5 *	1.70	16.7 *	3.79
Washtenaw (part)	03300	11.5 *	1.46	32.2	4.41
Livingston	03400	12.1 *	1.50	30.0	5.83
Lapeer, St. Clair	03500	17.0	1.39	34.1	3.22
Wayne (part)	03600	10.4 *	1.99	34.8	7.89
Wayne (part)	03701	25.7 *	2.59	29.4	3.54
Wayne (part)	03702	28.5 *	3.51	38.6	4.70
Wayne (part)	03703	20.3	3.10	20.6 *	3.94
Wayne (part)	03704	22.6	2.57	30.2	3.85
Wayne (part)	03705	30.0 *	3.48	40.7	5.11
Wayne (part)	03706	38.0 *	3.98	39.3	4.68
Wayne (part)	03707	26.4 *	3.40	31.5	4.45
Wayne (part)	03708	32.1 *	3.20	44.1	5.42
Wayne (part)	03801	20.5	3.29	43.4	6.34
Wayne (part)	03802	23.2 *	2.55	41.0	4.59
Wayne (part)	03803	12.3 *	1.63	29.5	5.70
Wayne (part)	03804	18.6	2.34	38.4	4.77
Wayne (part)	03805	15.3	1.80	37.3	6.02
Wayne (part)	03806	24.1 *	2.54	35.8	5.01
Wayne (part)	03807	24.3 *	2.80	36.3	5.14
Macomb (part)	03900	19.8	3.03	45.6	6.70
Macomb (part)	04000	21.9	2.30	37.0	5.01
Macomb (part)	04101	18.6	2.21	34.2	4.83
Macomb (part)	04102	18.2	2.10	41.4	4.83
Macomb (part)	04103	19.6	3.21	48.7	8.12
Macomb (part)	04104	13.6 *	1.95	45.4	7.42

Definitions: % = Percent; SE = Standard Error

Sub-state areas (also called PUMAs, or Public Use Microdata Areas) are typically collections of counties and reflect the lowest level of geography available for a single year of ACS data. In most metro areas sub-county estimates are available. See Appendix C for maps of metro areas that have more than one sub-state area.

* Statistically different from the state uninsurance estimate for population group (Age 19-64, 18.0% Age 19-64 <200% FPL, 34.0%).

Source: U.S. Census Bureau, 2009 American Community Survey.

Appendix A. Technical Assistance Available from SHADAC

SHADAC has a grant from the Robert Wood Johnson Foundation to provide technical assistance to State Health Reform Assistance Network (State Network) states. A summary of assistance we can provide is described below. Questions and requests can be directed to Elizabeth Lukanen at 612-626-1537 or elukanen@umn.edu.

Data Readiness

SHADAC can offer assistance related to data readiness and planning to help states navigate in the environment of accelerated policy development and implementation. Specifically, SHADAC can:

- (1) help states identify and specify pertinent policy questions and provide guidance on the best data and analysis to inform those questions;
- (2) assist states in assessing their data resources, including the process of conducting a gap analysis to identify current and future data needs related to reform planning and monitoring;
- (3) provide guidance on how data can and should be used to tell the state's coverage and access expansion story, with supporting areas such as grant application development, dissemination of policy impacts, and development of the "business case" for reform; and
- (4) facilitate discussions related to strategic planning and policy decision-making around eligibility, outreach, enrollment, and retention, using sound data as a key input.

Data Applications

SHADAC will provide guidance to states on the effective use of national and state-level data to answer key policy questions, guide the planning process, and inform implementation (e.g., characterize target populations, define markets, and assess state capacity). SHADAC's data expertise includes the American Community Survey, Current Population Survey, National Health Interview Survey, Behavioral Risk Factor Surveillance System Survey, Medical Expenditure Panel Survey - Household Component, Medical Expenditure Panel Survey - Insurance Component, and Healthcare Cost and Utilization Project data, among others.

Primary Data Collection

SHADAC's data collection team can assist states in assessing public opinion, employer participation and/or effectiveness of communication strategies using web-based surveys, targeted surveys of specific populations, focus groups and key informant interviews. We will work collaboratively with our partner survey firm, Social Science Research Solutions (SSRS), to provide targeted public opinion or stakeholder type survey research, focus groups and key informant interviews. These are intended to provide relatively quick turnaround information to states concerning public and/or stakeholder opinions about policy options and solutions they are contemplating. We will also consult with states that conduct their

own surveys about options to include questions that monitor the implementation and impact of health reform.

Evaluation

SHADAC staff are available to help State Network states develop and refine plans for conducting policy analysis and evaluation activities to assess the impacts of health reform implementation activities. This includes assistance in developing robust evaluation plans and conducting data reviews to identify the types of data available to meet their evaluation needs. We also assist with the collection of appropriate data by reviewing instrument or survey design, sampling strategies, weighting, imputation, and vendor selection criteria.

Packaging Complex Analysis for Policymakers

SHADAC's main objective is to bridge the gap between research and policy. SHADAC can help states package complex analysis into products and messages targeted at policy makers and legislators who have limited time. This includes the development of chartbooks, issue briefs, technical briefs, reports, webinars, targeted memos/white papers, and program evaluation design documents that are easy to access and translate well into online resources.

Appendix B. Data Source

Source: U.S. Census Bureau, 2009 American Community Survey (ACS). Calculations by SHADAC. Estimates for the ACS exclude military but include non-institutionalized group quarters such as college/university housing, group homes intended for adults, residential treatment facilities for adults, workers' group living quarters and Job Corps centers, and religious group quarters.

Population counts are presented in thousands.

Definitions: '%' = Percent; 'SE' = Standard error as a percent. Confidence intervals can be calculated from the standard errors; for example, the 95% confidence interval is $\pm(1.96 * SE)$.

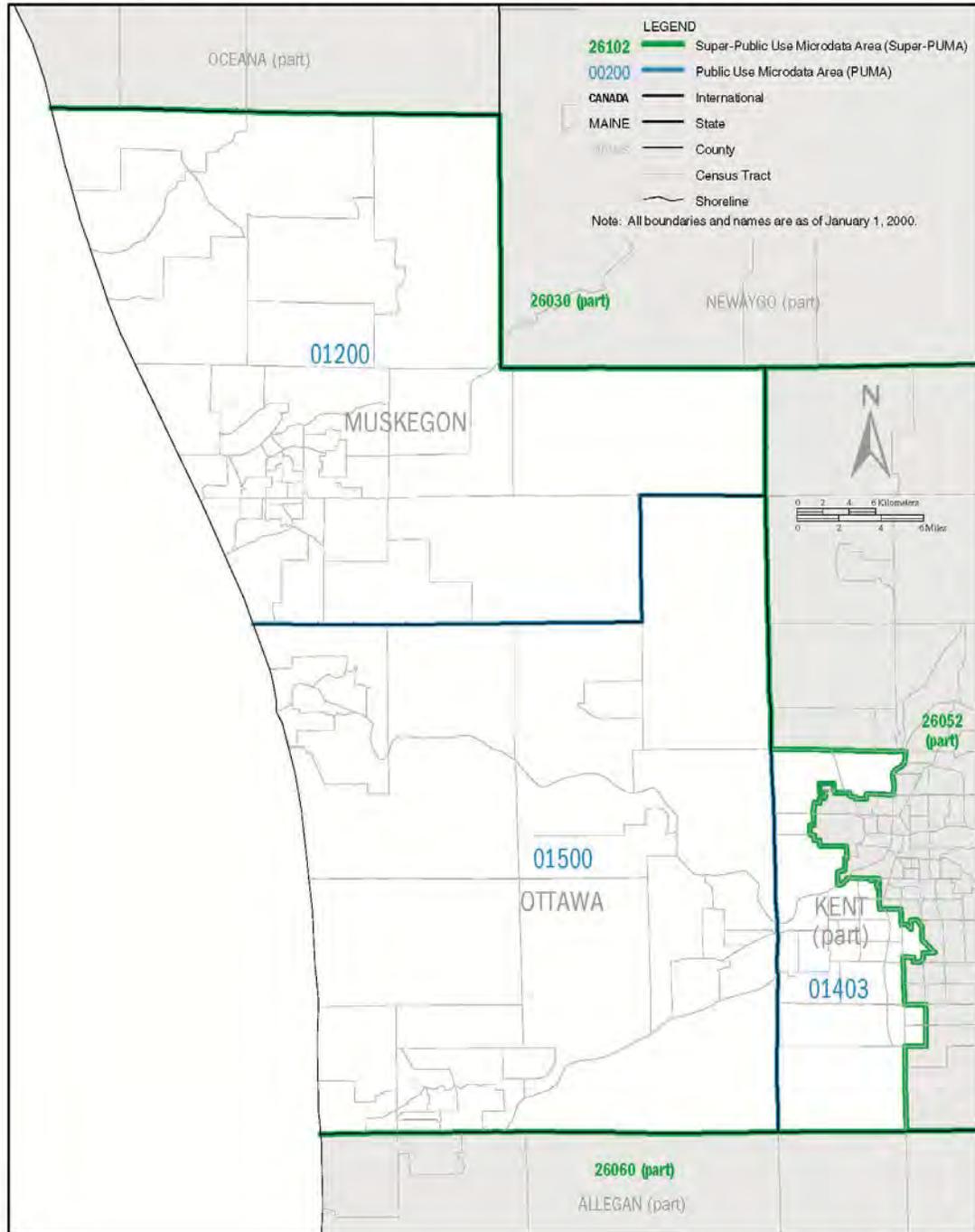
Insurance coverage note: Listed Medicaid rates include SCHIP and state-specific public programs. Those who report multiple types of insurance coverage (i.e., private or public) are included in each category; therefore, row totals may add to more than 100 percent. Active duty military coverage (e.g., TRICARE) is considered employer-sponsored insurance, while VA coverage is considered government coverage.

ACS methodology note: The ACS asks respondents about their health insurance coverage at the time of the interview.

For technical documentation on the ACS please visit <http://www.shadac.org/content/acs-info-and-resources>.

Appendix C. Metro Area Sub-state (PUMA) Maps

MICHIGAN Super-PUMA 26051: Census 2000 Public Use Microdata Areas (PUMAs)

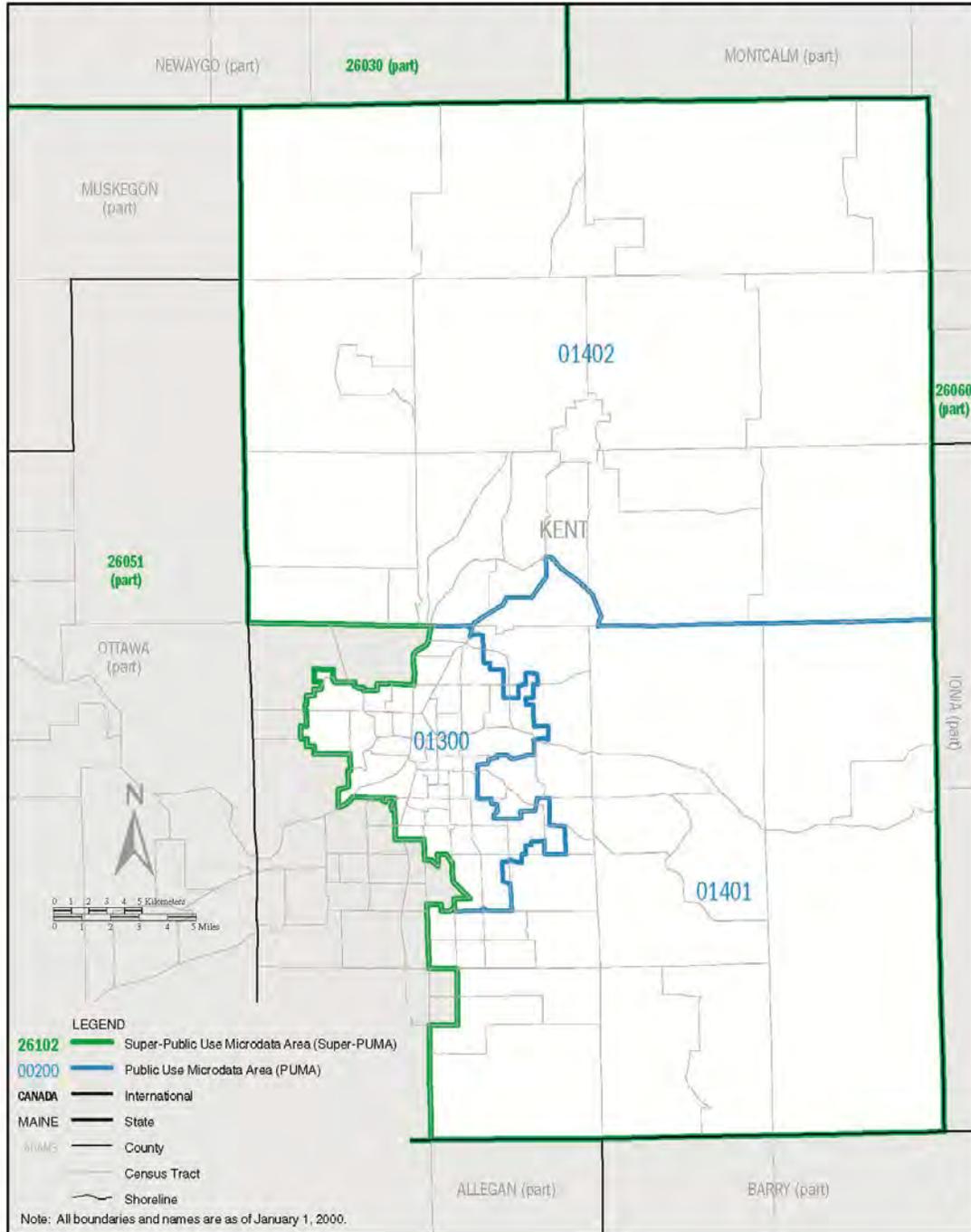


6 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26052: Census 2000 Public Use Microdata Areas (PUMAs)

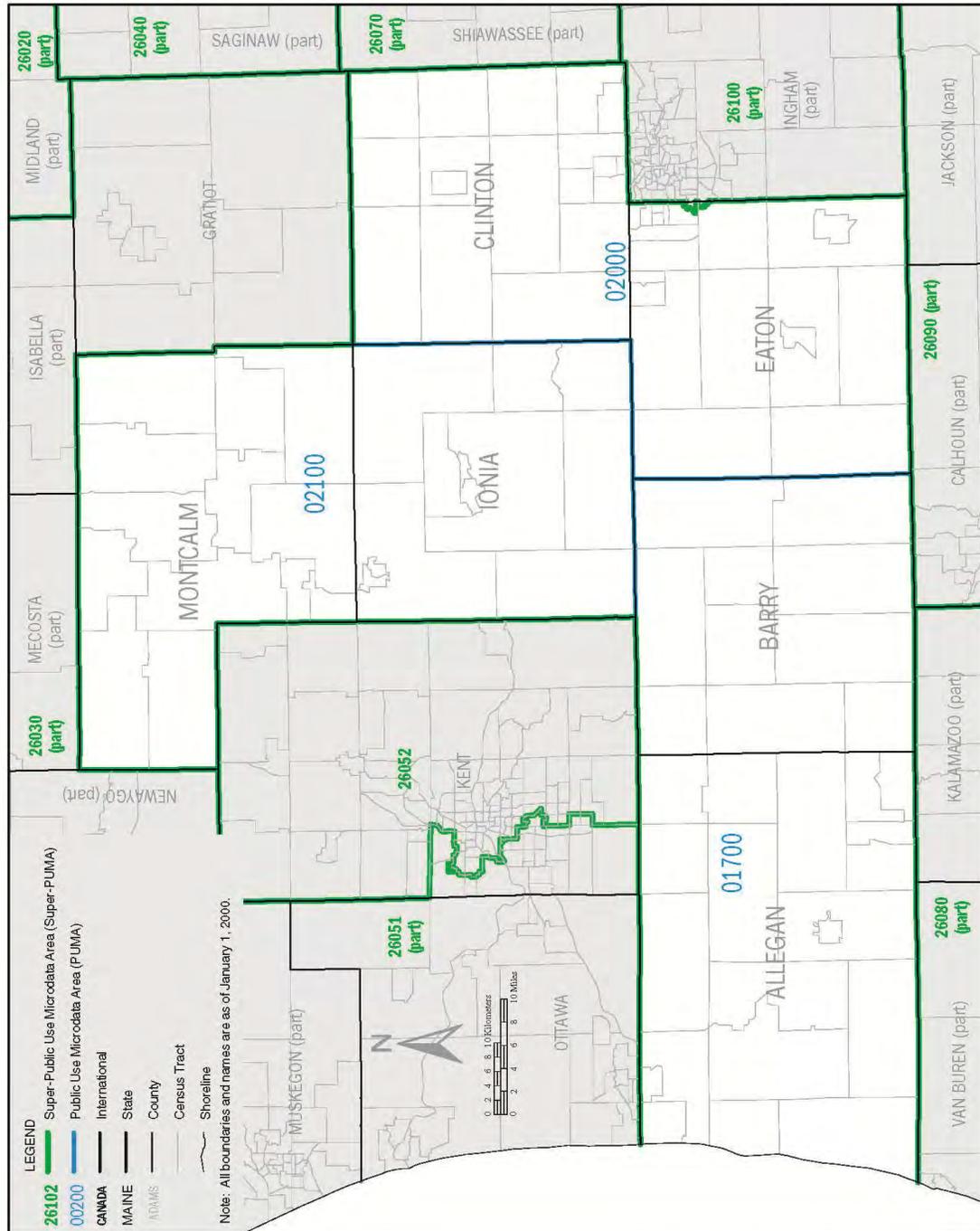


Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 7

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26060: Census 2000 Public Use Microdata Areas (PUMAs)

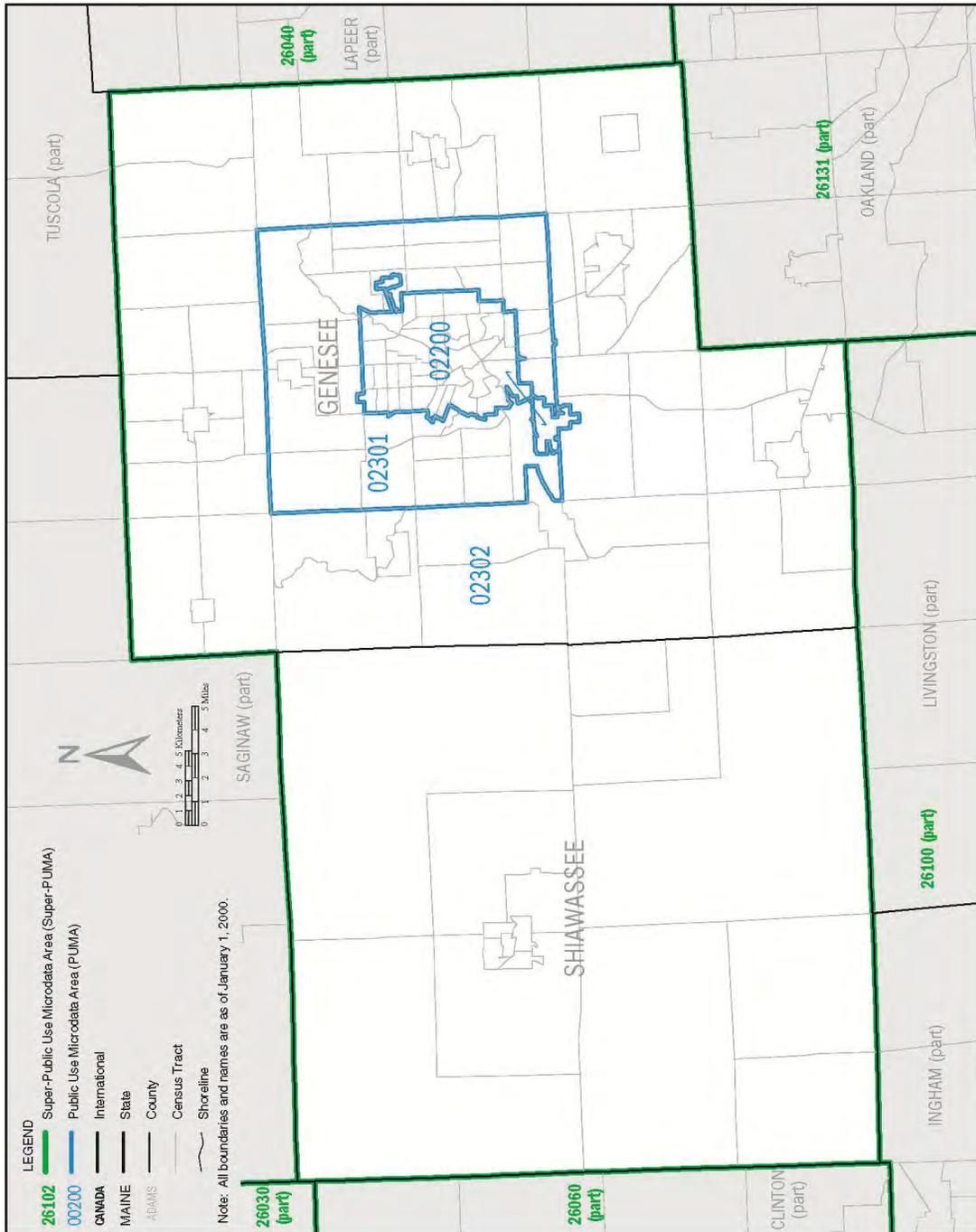


8 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26070: Census 2000 Public Use Microdata Areas (PUMAs)

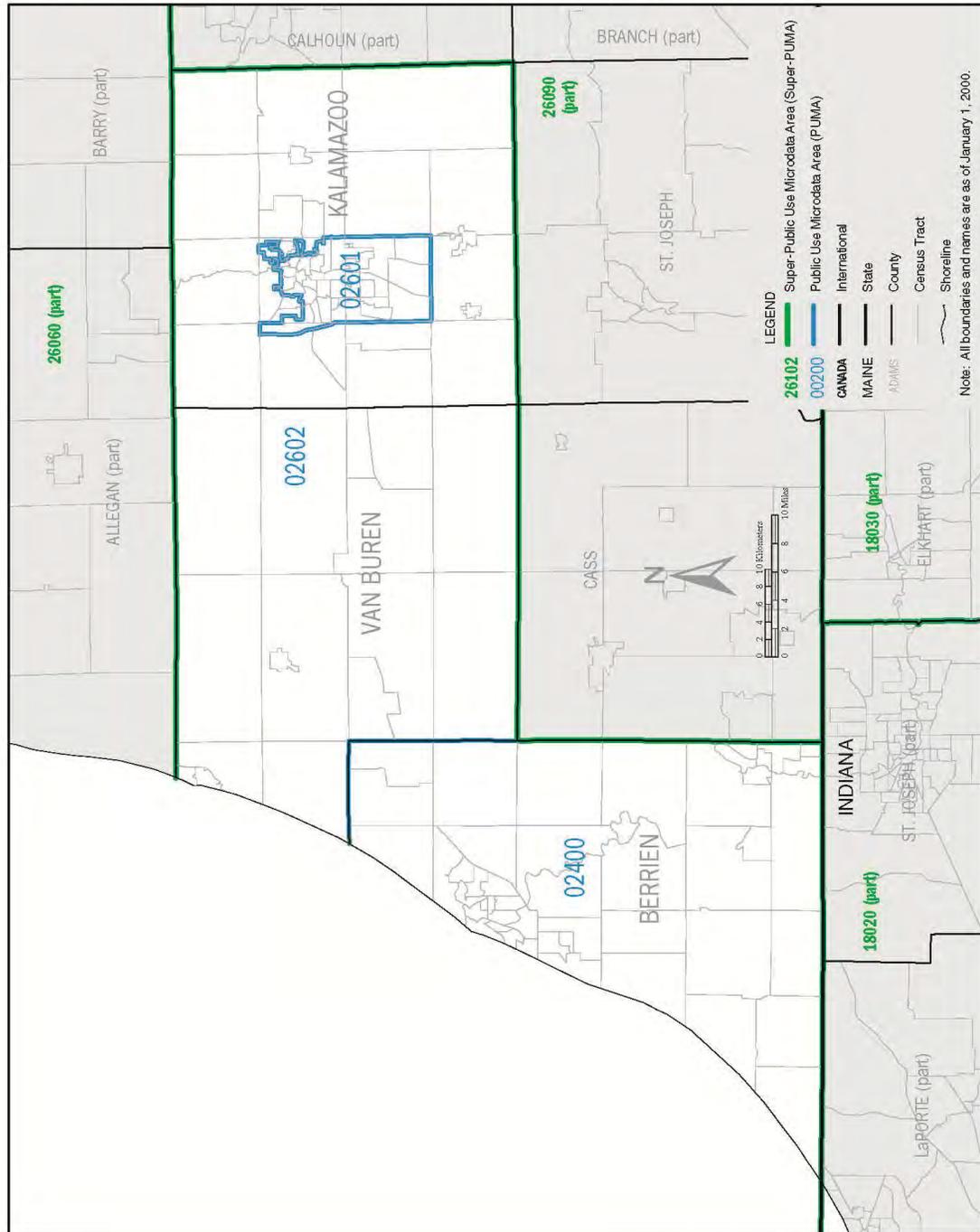


Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 9

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26080: Census 2000 Public Use Microdata Areas (PUMAs)

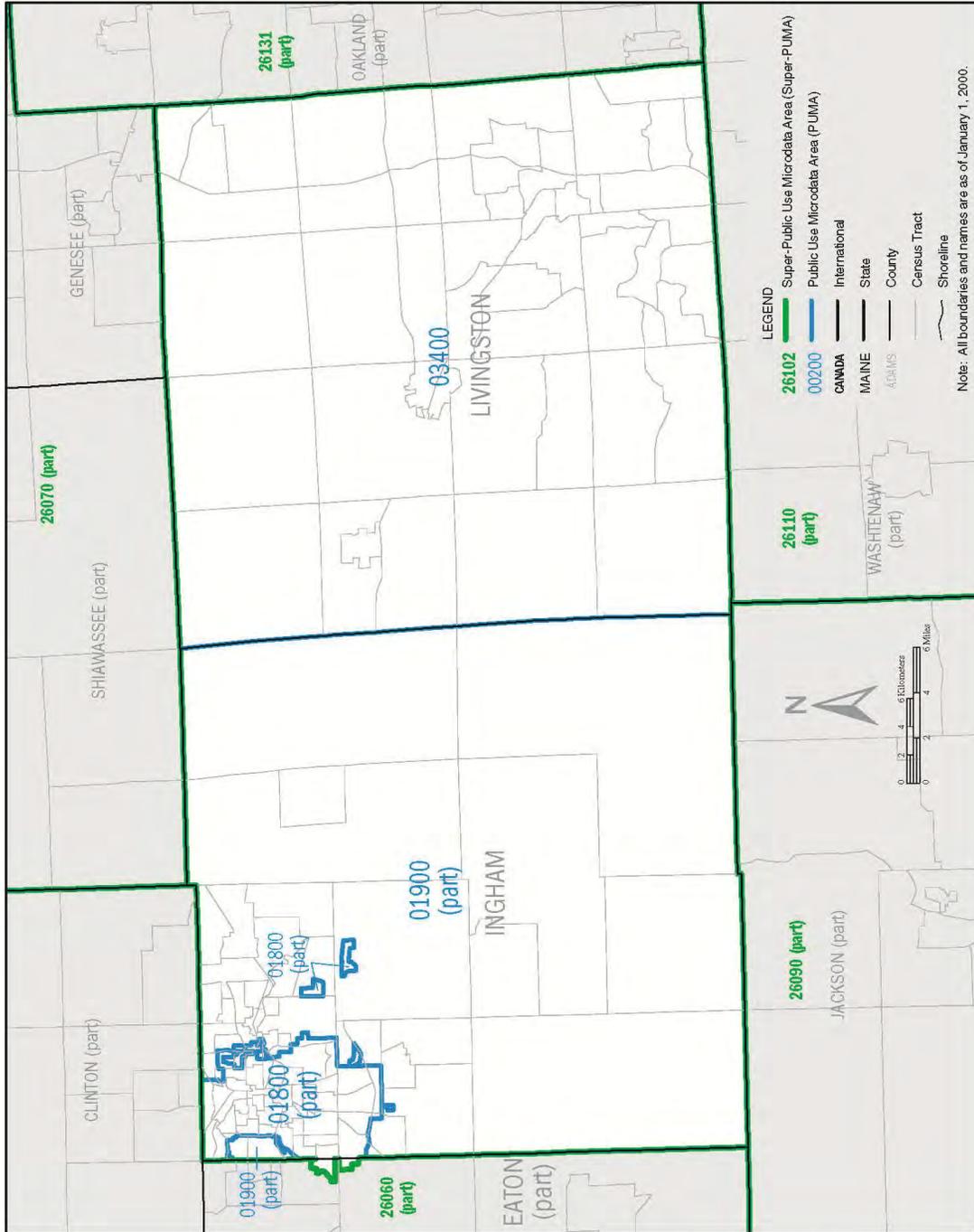


10 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26100: Census 2000 Public Use Microdata Areas (PUMAs)

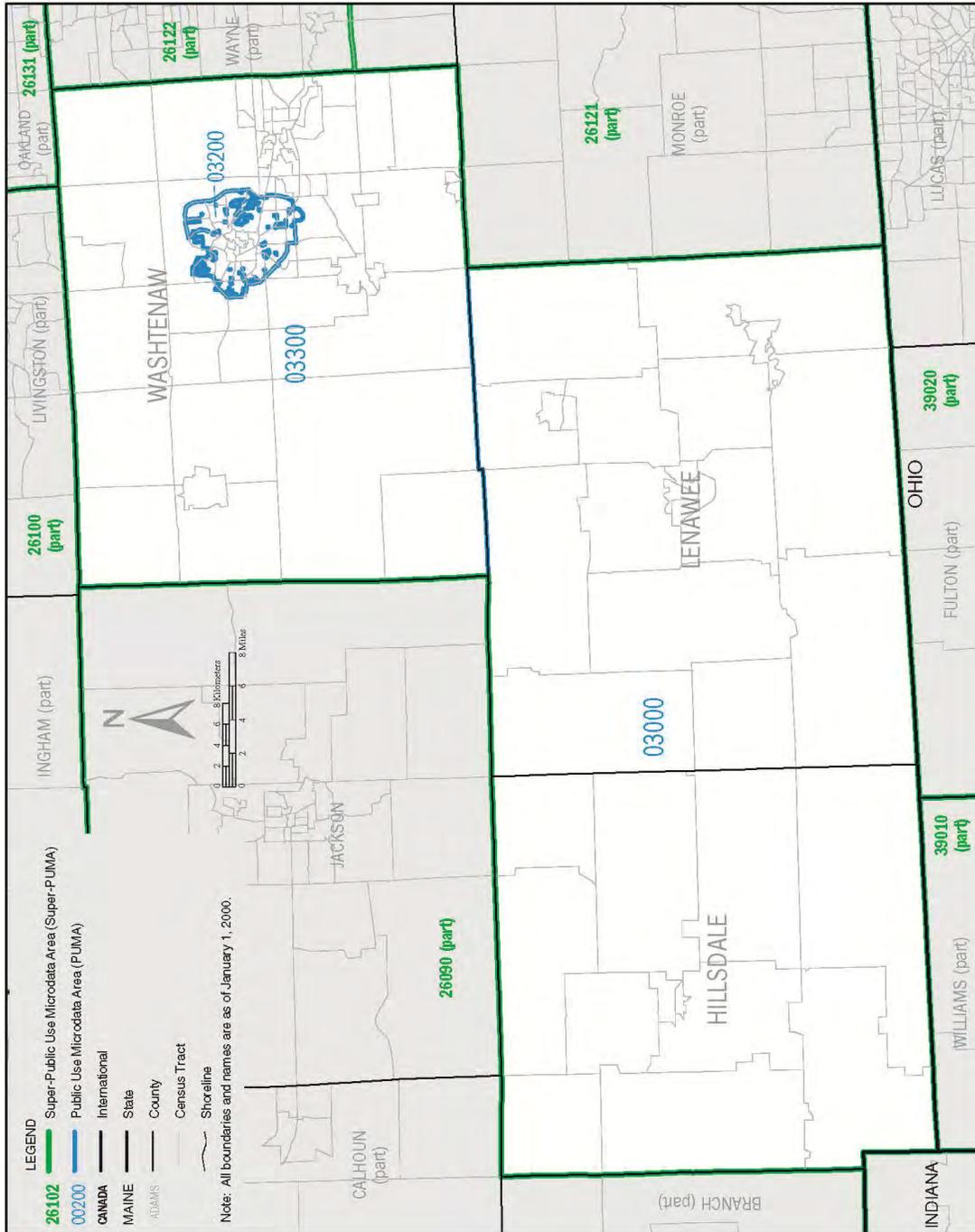


12 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26110: Census 2000 Public Use Microdata Areas (PUMAs)

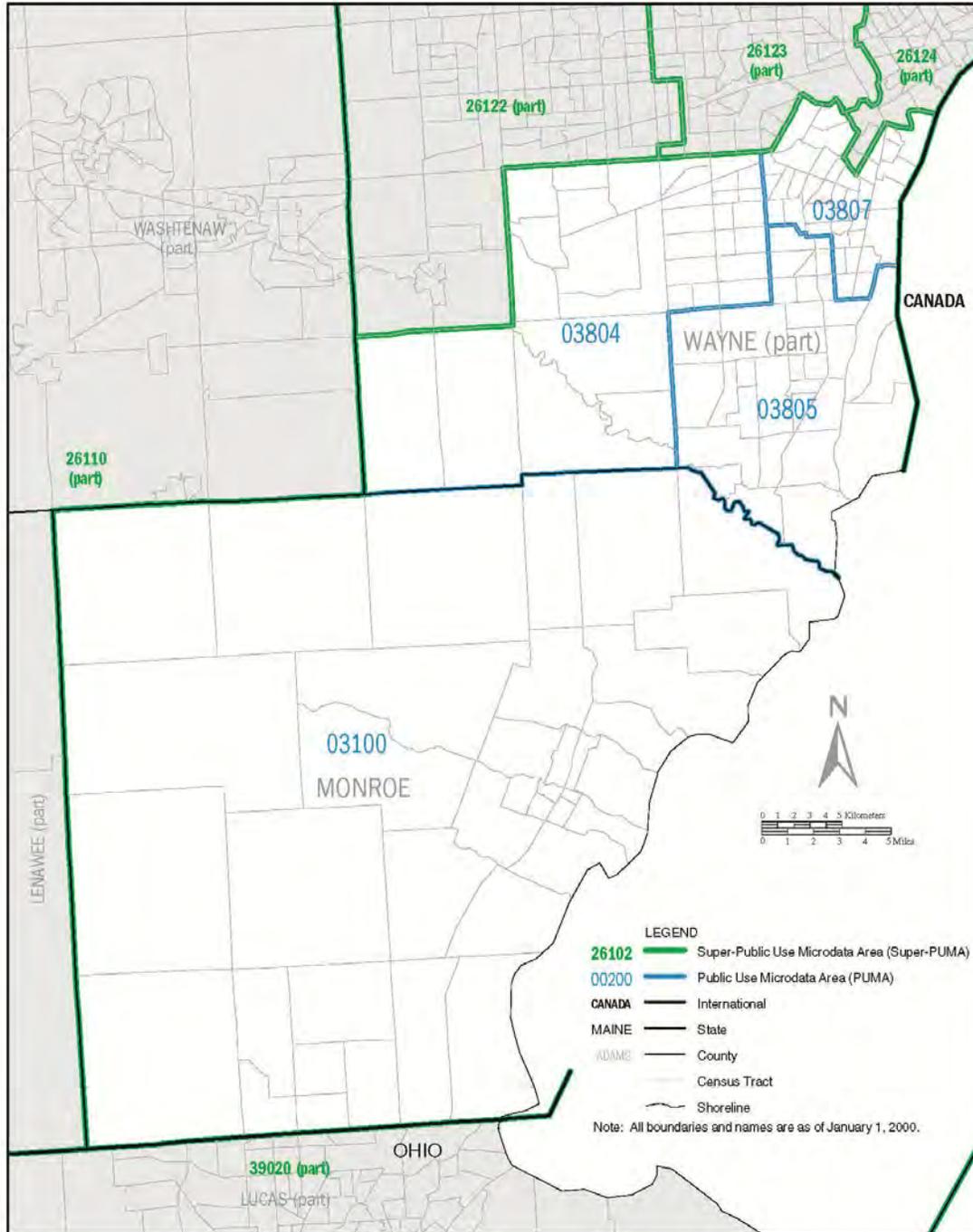


Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 13

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26121: Census 2000 Public Use Microdata Areas (PUMAs)

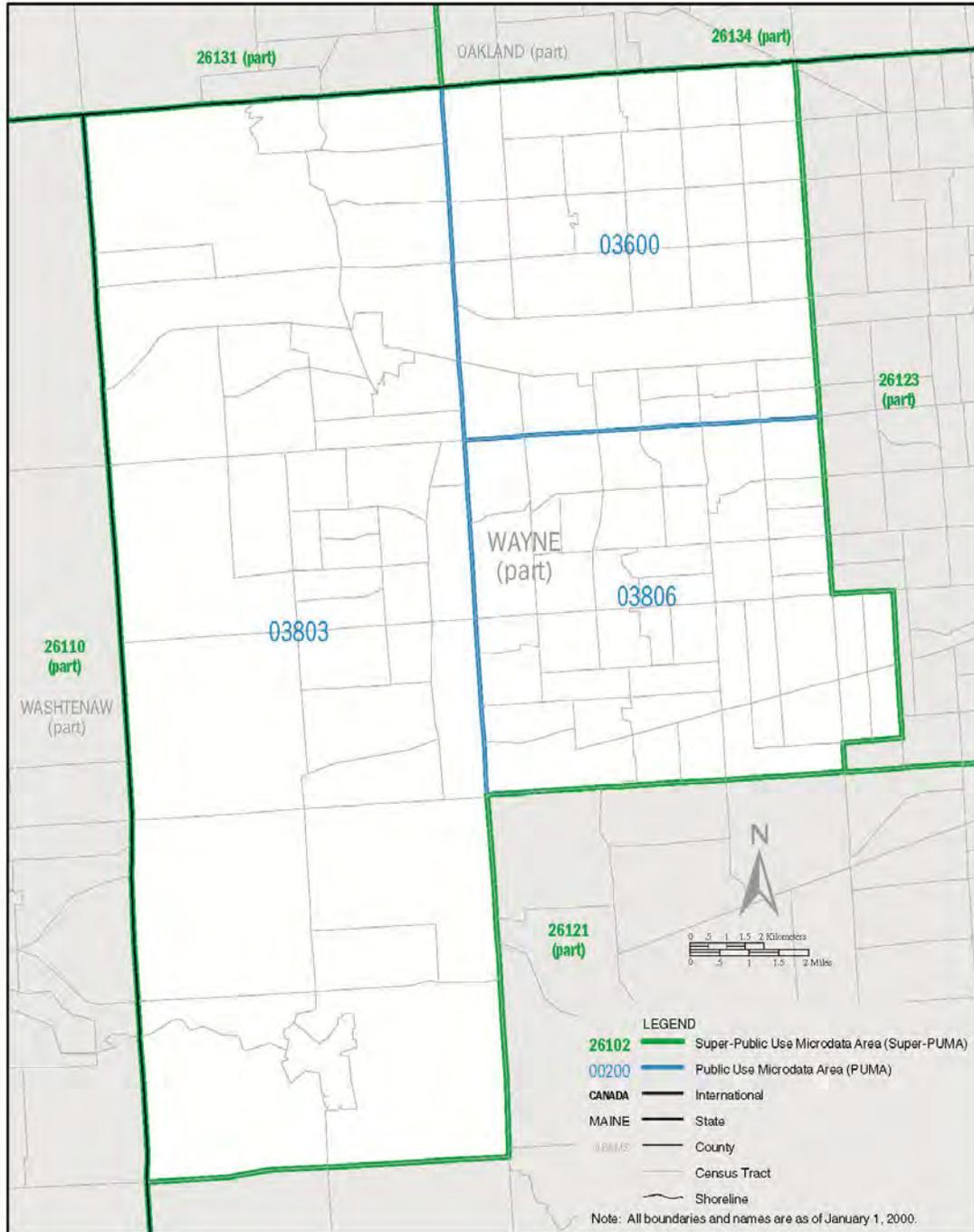


14 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26122: Census 2000 Public Use Microdata Areas (PUMAs)

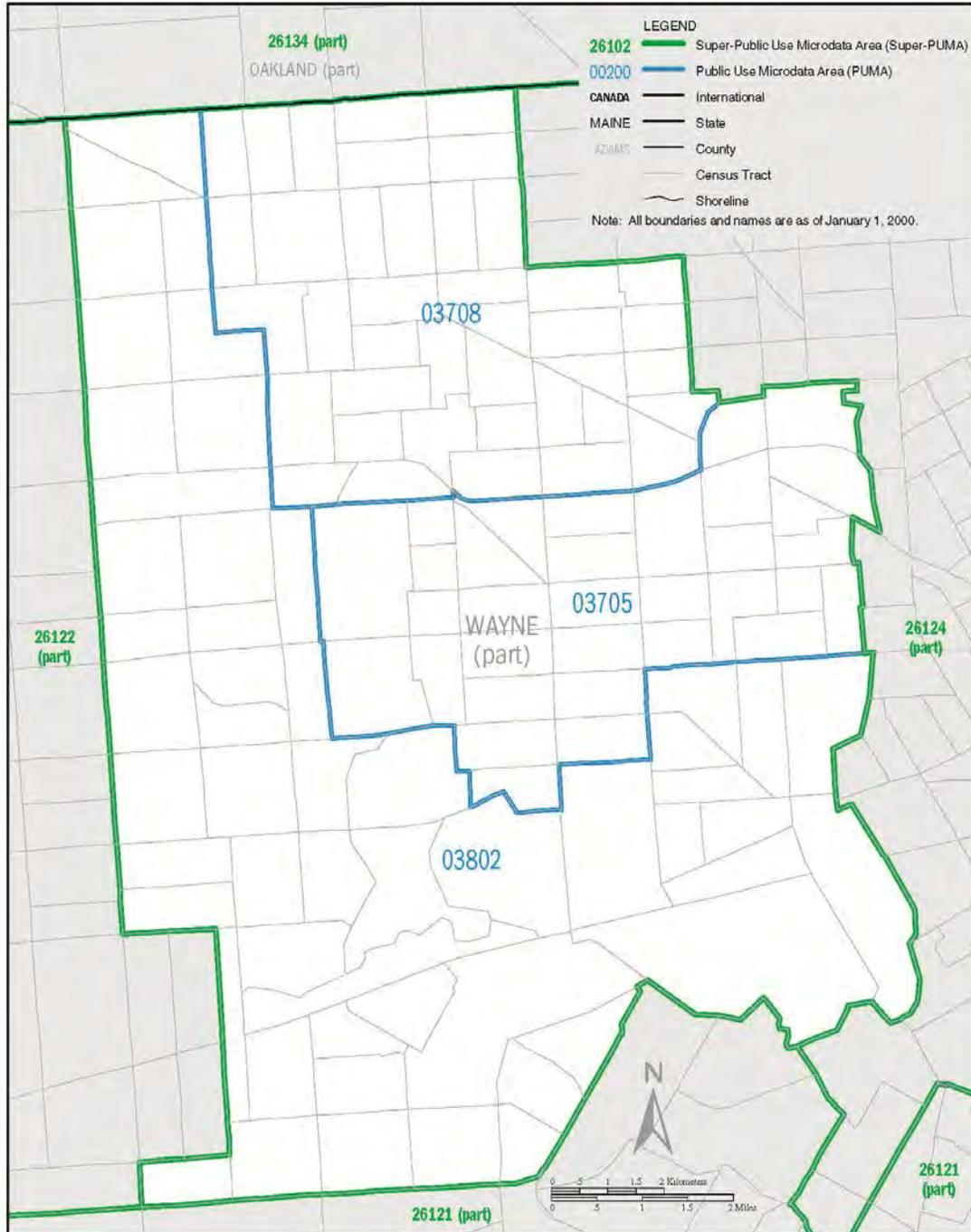


Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 15

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26123: Census 2000 Public Use Microdata Areas (PUMAs)

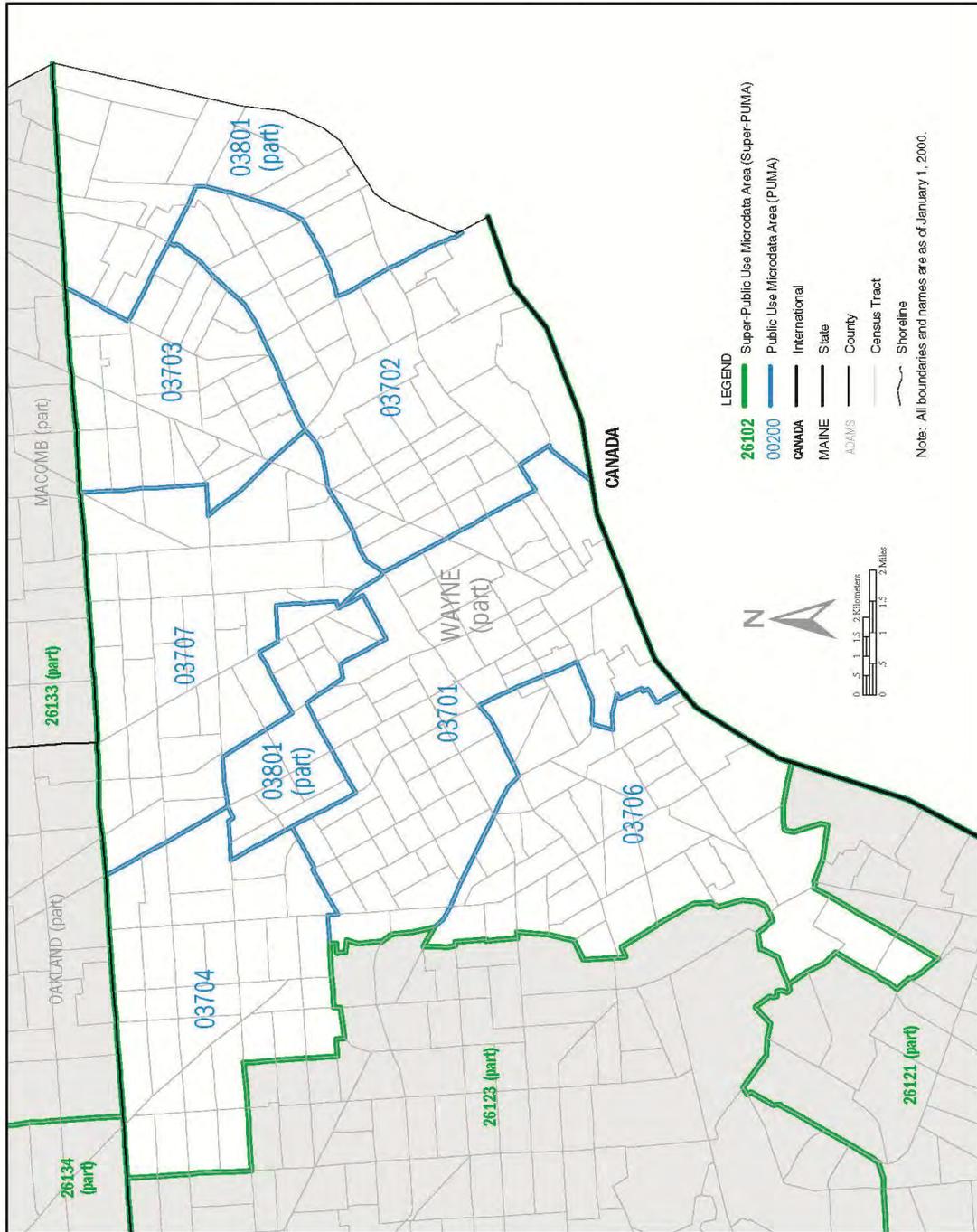


16 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26124: Census 2000 Public Use Microdata Areas (PUMAs)

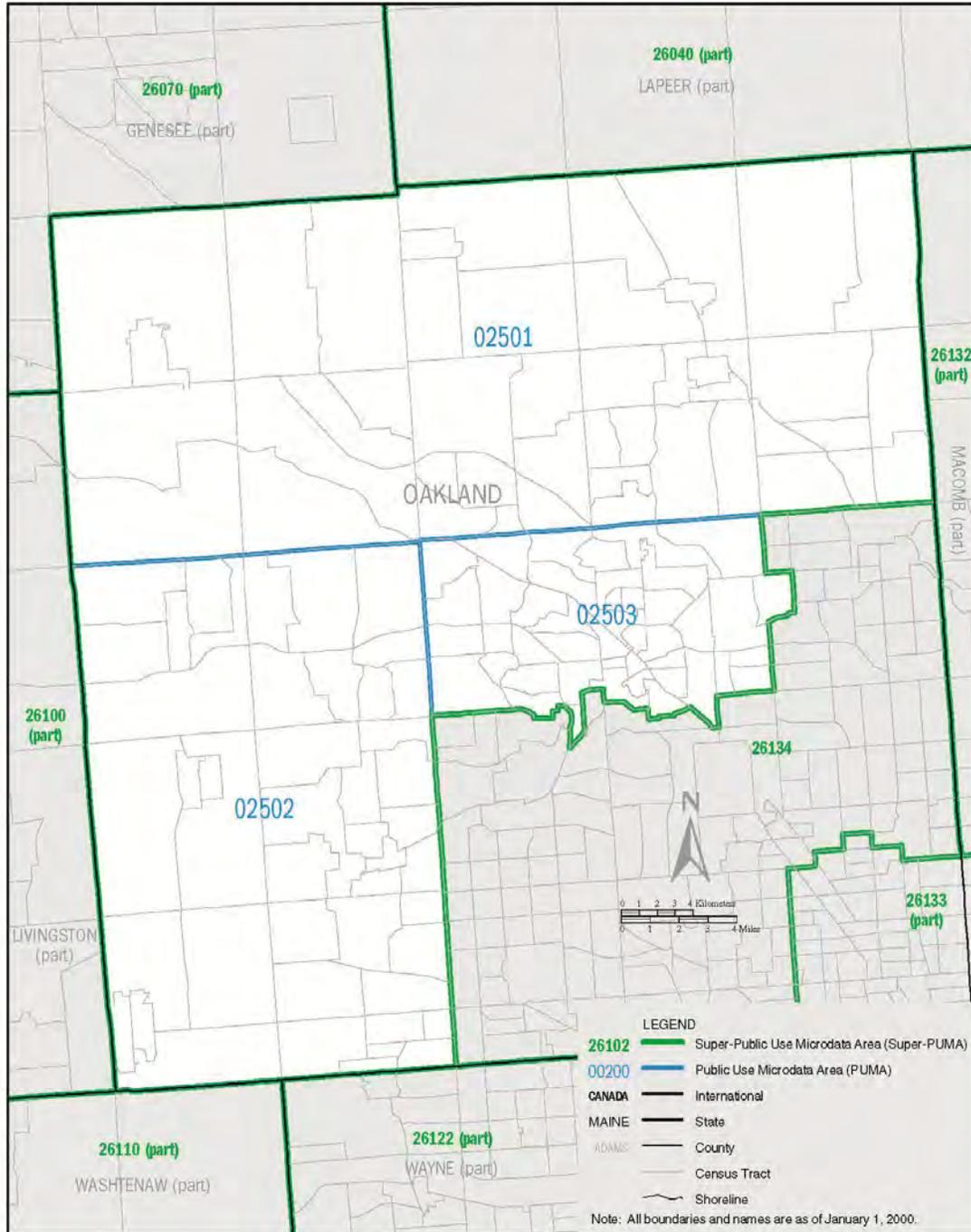


Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 17

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26131: Census 2000 Public Use Microdata Areas (PUMAs)

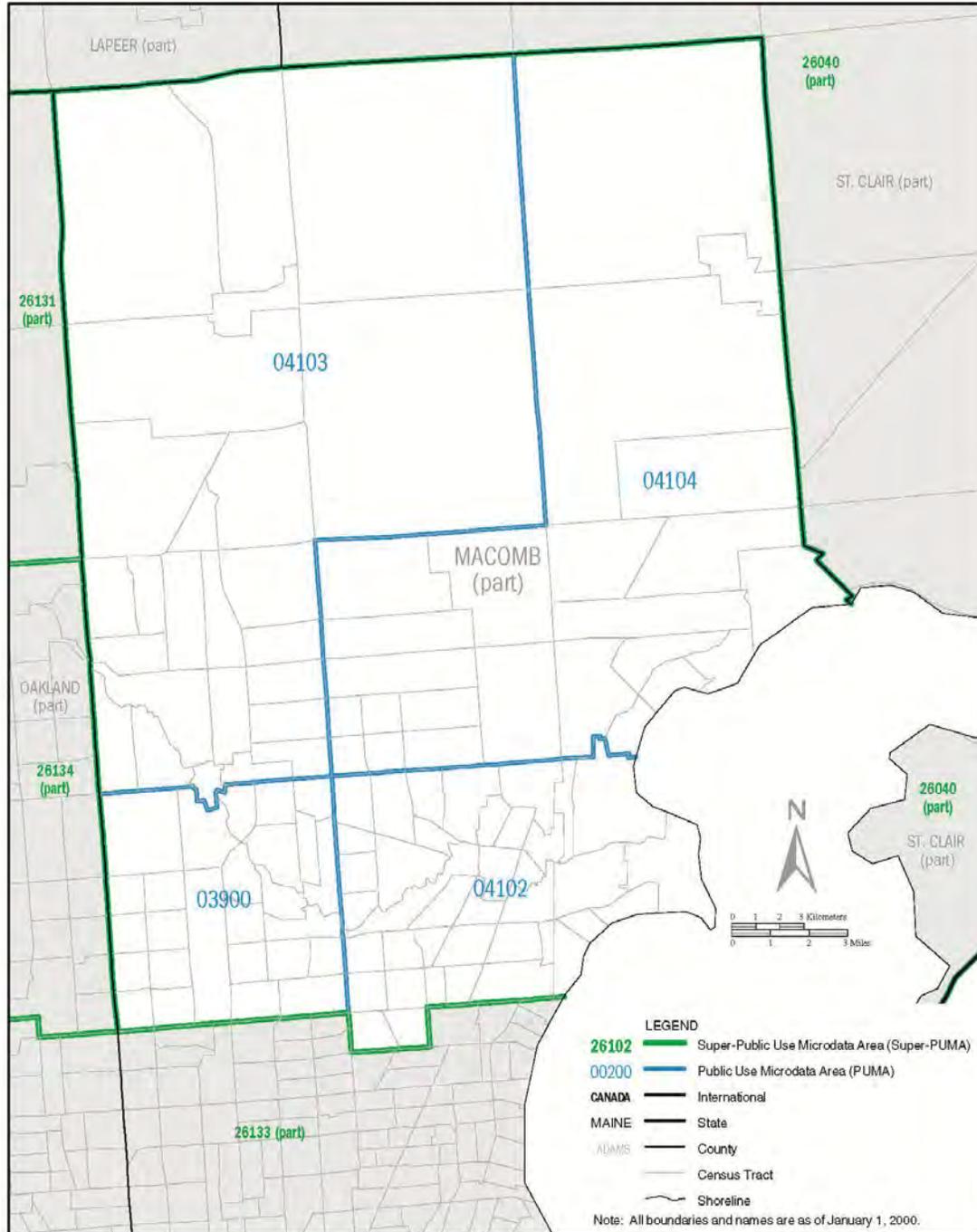


18 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26132: Census 2000 Public Use Microdata Areas (PUMAs)

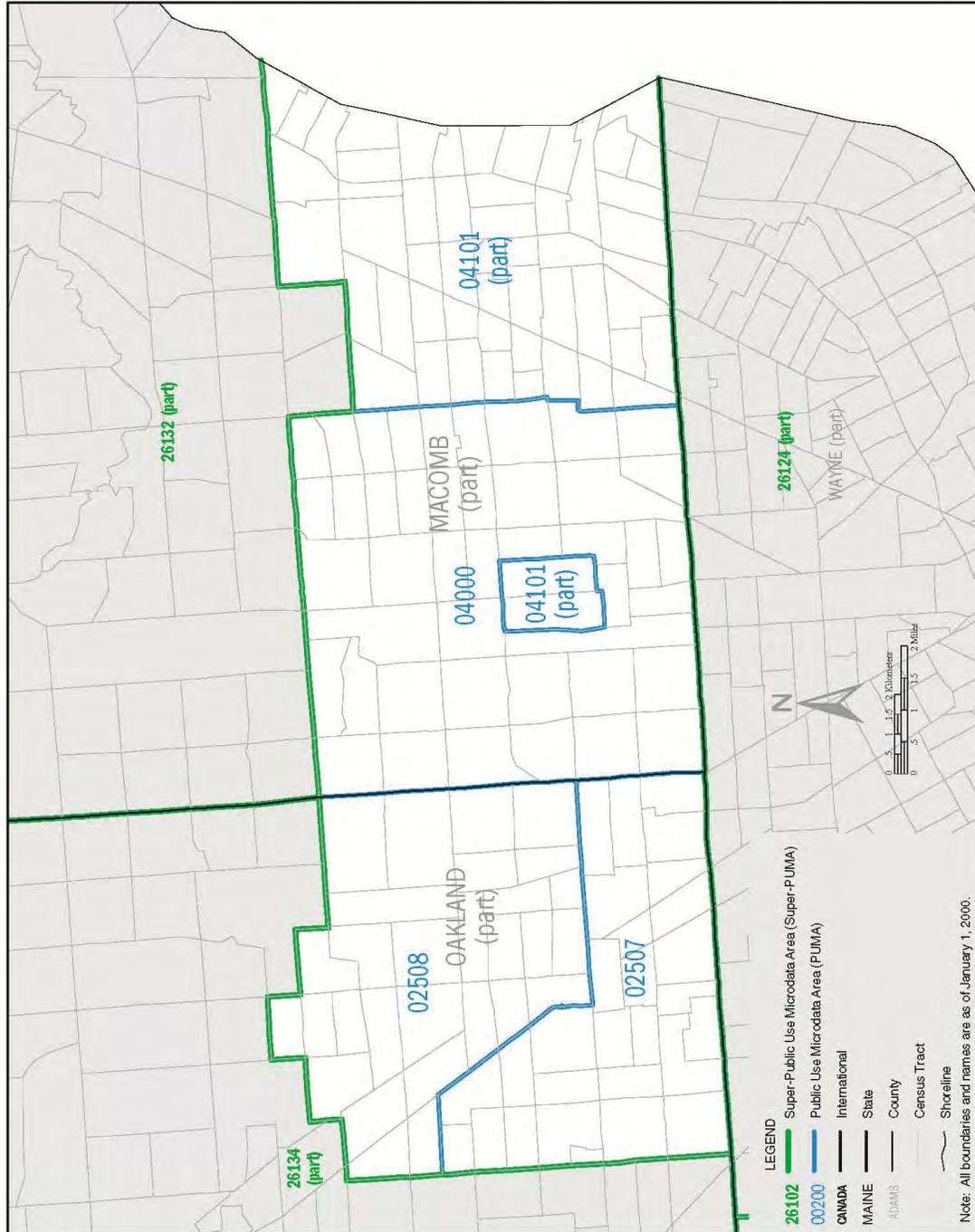


Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 19

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26133: Census 2000 Public Use Microdata Areas (PUMAs)

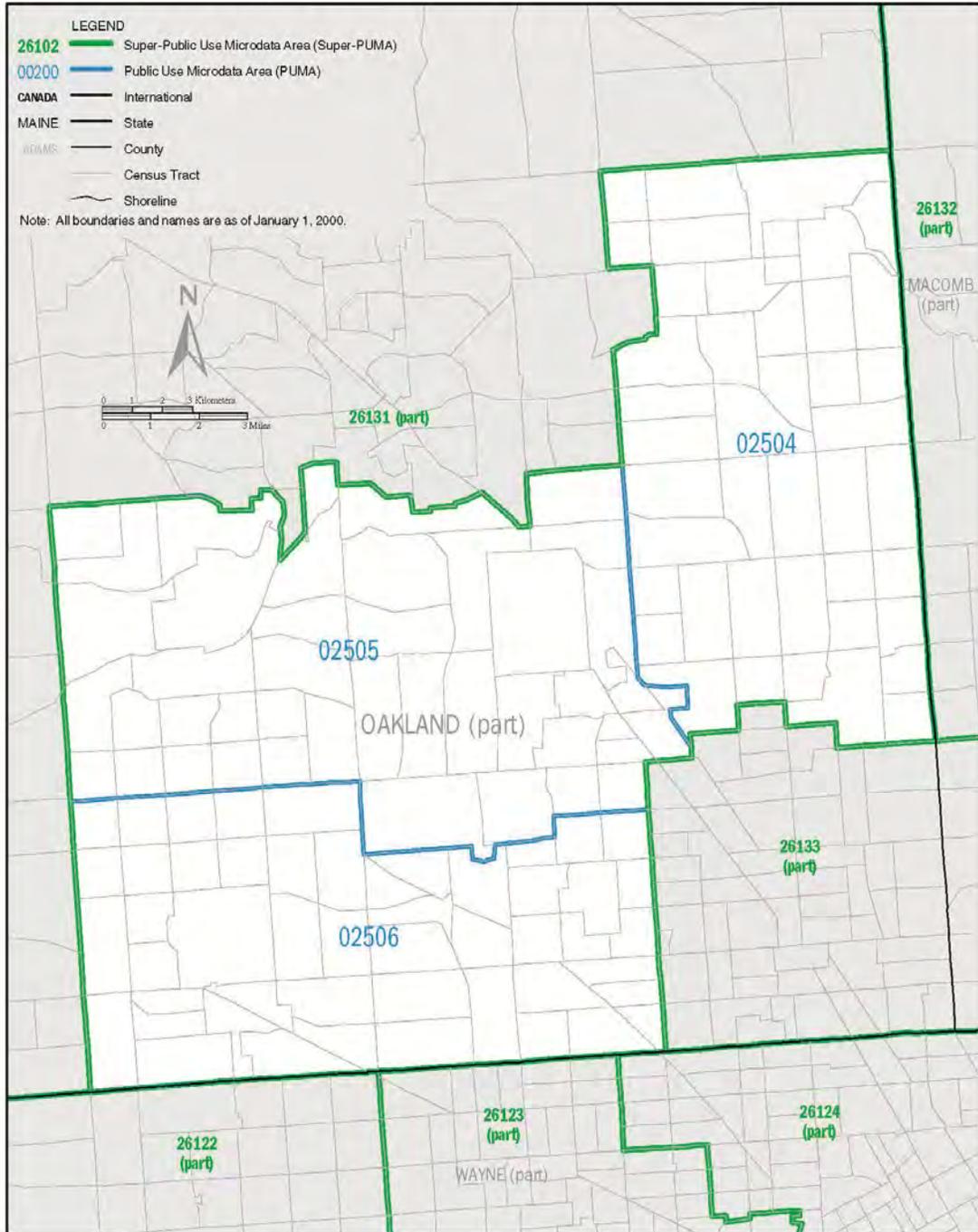


20 Michigan

Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

MICHIGAN Super-PUMA 26134: Census 2000 Public Use Microdata Areas (PUMAs)



Public Use Microdata Sample (PUMS) files
U.S. Census Bureau, Census 2000

Michigan 21

Source: http://www2.census.gov/geo/maps/puma/puma2k/mi_puma5.pdf

Appendix D. Michigan Map of Major Cities



Source: U.S. Census Bureau.

Appendix E. Michigan Map of County Boundaries



Source: U.S. Census Bureau.